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~~1651/616.~~

MATHEMATICAL SLEAING TABLES:

OR, THE

Great *and* Only MYSTERY OF Weaving Linen Cloth EXPLAINED.

By which the moſt ignorant WEAVER is infallibly directed how to adjuſt the Reed to the Yarn:

AND

The BUYER truly ſhewn whether the Cloth be wrought to its due Perfection.

Taken from Geometrical Proportions, and fitted to the meaneſt Capacity.

Publiſhed by the Special Order of the Honourable the Houſe of Commons, *and by Order of the Honourable Truſtees for the Improvement of the* Linen Manufacture *in this Kingdom.*

——*Hæ tibi erunt artes.* VIRG.

By *Joſeph Beaumont*, Merchant.

THE SECOND EDITION.

DUBLIN: Printed by S. POWELL,
or JOHN WATSON, Bookſeller, at the *Bible and Crown*
on the *Merchants-kay*, near the *Old Bridge* and
Bridge-ſtreet. 1754.

First Edit. 1712 (Soc. of Arts Library

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TO THE
Right Honourable and Honourable
THE
TRUSTEES
Appointed for the
IMPROVEMENT
OF THE
Linen Manufacture
OF
IRELAND.

May it pleaſe your Lordſhips and Honours,

IN Obedience to Your Commands, I have publiſhed my Tables for the mprovement of the Linen Manufacture, hich I now humbly Dedicate to Your onours, as Truſtees of the Linen Trade of *Ireland*, for the Service and Improvement of which they are intended.

It muſt needs be a great Happineſs to the Nation, that there is appointed an Aſſembly of the greateſt Perſons in it to be Protectors of the only Trade whereby we are chiefly to ſubſiſt; who have ſo much at Heart the Good of this Kingdom and Duty of their Truſt, that they willingly condeſcend to encourage any honeſt Endeavours for that End, though from the meaneſt Inſtrument.

I cannot but frequently call to mind, with the greateſt Satisfaction as well as Gratitude, how candid and fair a Hearing I have always had from You; how juſt You were in Your Objections; and how reaſonable, as well as exact in receiving Anſwers to them.

It is impoſſible for me to expreſs, as I ought, the Senſe I have of Your Honours great Goodneſs and Generoſity.

I hope one Conſequence of Your Favour will be to incite others in the Purſuit of ſerving their Country in this way, who have much greater Abilities, when they ſhall find, by the Succeſs my poor Attempts have met with, that their Endeavours will not be unrewarded.

I am with the greateſt Reſpect,

Your Lordſhips and Honours

Moſt Obedient, Moſt Obliged,

And moſt Humble Servant,

Joſeph Beaumont.

THE

PREFACE.

I *AM ſenſible with what Diſadvantages any Man appears to the World under the Title of a Projector, a Word (tho' of no ill Meaning in itſelf, yet) generally applied to ridicule every one who hath any Deſign at Heart for the Publick Service in any new way; perhaps there may be too much Reaſon for making that Word a Term of Reproach, ſince it requires a great deal of Charity to believe any Man regards the Publick Intereſt equally to his own; and ſince ſo many, under the Pretence of deſigning the Publick Good, are found to be Impoſtors. However, it is no doubt as lawful to make a Man's Fortune by ſerving his Country in a new Invention, as by any other way.*

But yet when I call to mind the many Experiments I have made, the Years I have beſtowed on theſe Thoughts and Calculations, beſides Eighteen Months almoſt entirely ſpent in Dublin, *to the manifeſt Neglect of my other Affairs, I cannot think I am much a Gainer, tho' the Bounty ordered me is truly Great and Generous.*

It is the Opinion indeed of many Perſons, that any good Endeavours for the Publick Service, *tho' they do not meet with Succeſs, yet deſerve Encouragement; and I obſerved that ſome Gentlemen who had not Faith to believe I was able to make good my Propoſal, yet were inclined to ſpeak favourable of me for the Goodneſs of the Deſign, and to encourage others who had better Abilities in the ſame Purſuit.*

However, I ſhould hardly have the Confidence to hope for ſo much Good-nature as would excuſe me from the Name of a Projector in its worſt Senſe, if what I now offer were nothing elſe but a few abortive Thoughts, or honeſt unpracticable Endeavours.

The Scheme which I have drawn in the following Papers, for the Improvement of the Linen Manufacture in one of its moſt important Articles (the true Weaving of Cloth) coſt me much Pains, Time, and Expence, before I diſcovered it to above four or five Friends, ſkilled in the Mathematicks or the Weaving Trade; I then took Occaſion to conſult many of the beſt Weavers in ſeveral diſtant Parts of this Kingdom, and found them all to diſagree from each other in that Point of adjuſting the Reed to the Yarn, ſo neceſſary an Art in making good Cloth.

Particularly I was aſſured by one, whoſe Capacity in the Trade is allowed by Mr. Crommelin *and his Brothers, that neither they nor he could ever fix upon a certain Rule in this Particular, further than ſome private Obſervations drawn from Practice in about twelve Sorts of Cloth,*

Cloth, which Mr. Crommelin *told me coſt him four Years Thoughts; and which can never be of general Uſe, but muſt be confined to Artiſts as experienced in this Trade as himſelf.*

My next Buſineſs was to have a Piece of Cloth which the beſt Weavers would allow, by comparing it with other Pieces, to be wrought to an exact Perfection; I then number'd the Threads in the Breadth of that Piece, weighed the Cloth, and having fixed on this Foot, allowed by Mr. Crommelin *and ſome others of the moſt ſkilful Artiſts, I thought there might be a way found out by Mathematical Proportions to give certain Rules for making all Sorts of Cloth to the ſame Exactneſs with that Piece from whence I took my firſt Foundation: Upon which I calculated my Tables now printed, and to convince myſelf of their Truth and Uſe, I went down into the North, and going into the Work-houſes of the beſt Weavers, I found thoſe Pieces of Cloth which they allowed to be the trueſt wrought, to come always neareſt to my Calculations; and by the Accounts I had from* Conaught, *from a Perſon (who, as I have heard Mr.* Crommelin *ſay, is one of the beſt Weavers in the World) who ſent me the Number of Threads, Breadth, Weight, and Length of his beſt Pieces, I was ſtill the more confirmed. I likewiſe ordered certain Weavers of my own at* Trim *to make Pieces of Cloth of the ſame Yarn, under and over my Proportions, as given in my Tables, which I found to be ſleazy or long-grain'd, ac-*

according as they varied under or over my Standard. I then ordered them to make other Pieces juſt according to my Tables, which themſelves and other ſkilful Perſons of their Trade allowed to be in their juſt Perfection; and Mr. Crommelin *himſelf, who ſaw one of them, was of the ſame Opinion.*

Two Things remained for my Juſtification to the World; one, to ſhew what I found out would be certainly uſeful to the Linen Manufacture; and the other, that my Tables were truly compoſed by Mathematical Calculations.

As to the firſt, I imagined it would be beſt done by a Certificate from ſome able Artiſt in the Trade; and in reſpect to Mr. Crommelin, *I made choice of him as a Perſon who being juſtly eſteemed very ſkilful in his Trade by every body, and employed by the Crown to propagate the Linen Manufacture in this Kingdom, I was ſure his Opinion might be of weight with the* Houſe of Commons, *and all Perſons whatever.*

For the other, I applied myſelf to Mr. Charles Connor, *one of the ableſt Profeſſors of the Mathematics in this Kingdom, who with that Candor and Goodneſs which always excites the Curious to encourage laudable Attempts, was pleaſed to be at the Pains to inſpect my Tables, and to certify the Juſtneſs of their Calculations.*

When I had gone thus far, I thought I might very ſafely offer my Propoſals to the Honourable the Houſe of Commons: *They were received* *in the Committee of the Linen Manufacture, and approved; and the Houſe agreed with the Report of the Committee, commanding me to print my Tables, voting an Addreſs to his Excellency that I ſhould have Encouragement. And in a Bill* for further Improvement of the Linen Manufacture, *they inſerted a Clauſe I had offered for marking the Number of Threads in the End of the Cloth. This Bill paſſed the Council, tho' the Clauſe was ſtrongly oppoſed by ſome Weavers, as it had been before in the Committee and the Houſe: But the Uſefulneſs of thoſe Marks, and the Force of the Objections, ſhall be conſidered in the following Papers.*

Jovis,

Jovis, 15 *die Junii*, 1710.

MR. *Pyne* reported from the Committee appointed to inſpect the State of the Linen Manufacture of this Kingdom, that they had come to ſeveral Reſolutions on the Petition of Mr. *Joſeph Beaumont*; which he read in his Place, and after delivered at the Table, where the ſame were again read, and are as follow.

Reſolved, That it is the Opinion of this Committee, that Mr. *Joſeph Beaumont* has fully proved the Allegations of his Petition to the Satisfaction of this Committee.

Reſolved, That it is the Opinion of this Committee, that the ſaid *Joſeph Beaumont* deſerves Encouragement for the Pains he has taken in contriving Scales and Tables, which will very much tend to the Improvement of the Linen Manufacture; and alſo, that he may be deſired to print the ſaid Tables.

To which Reſolutions, the Queſtion being ſeverally put, the Houſe did agree.

Ordered, That ſuch Members of this Houſe as are of Her Majeſty's moſt Honourable Privy Council, do addreſs His Excellency the Lord Lieutenant, that Mr. *Joſeph Beaumont* may be rewarded for his Service to the Linen Manufacture, out of the Funds appropriated to the Uſe of the Linen Manufacture.

Ex. per Tho. Tilſon, *Cler. Parl. Dom. Com.*

I *DO hereby certify, that I have examined Mr.* Joſeph Beaumont's *Mathematical Scales to ſort Yarn with, and that it agreed exactly in ſeveral Sets with my Practical Sleaing-Table; and where it varieth, the Difference was not material, and that they will be of great Uſe to the common Weavers of this Kingdom. I do likewiſe certify, that I have diſcourſed the ſaid* Joſeph Beaumont *upon ſeveral Particulars of the Linen Manufacture, and do think him a fit Perſon to undertake the Management of a publick Manufacture. Dated 22d Day of* May, 1710.

Louis Crommelin.

B*EING informed that Mr.* Crommelin, *who has advanced the Linen Manufacture to the Perfection 'tis now come to, proceeds upon this as a certain Rule, that a Standard Hank of Yarn weighing four Ounces muſt, and ought to be, woven in a Reed of Thirteen Hundred and a half, to make a true exact ſquare Cloth, Yard-wide. Taking this for granted, I certify that Mr.* Joſeph Beaumont *hath demonſtrably calculated the Diameters of all Yarn, the Weight and Length being known, whereby is adjuſted the Reed to the Yarn, as appears by his Mathematical Table which I have examined. As Witneſs my Hand this 8th Day of* June, 1710.

Char. Connor.

Ex. per Tho. Tilſon, *Cler. Parl. Dom. Com.*

MATHEMATICAL

SLEAING TABLES:

OR,

The Great and Only Myſtery of *Weaving Linen Cloth* explained.

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MR. *Crommelin*, in his very good Diſcourſe on the Linen Manufacture, has given no Directions how to adjuſt the Reed to the Yarn,
ich (I appeal to him) is the greateſt Art in Weav-
g: And without a certain Rule to do this, no Weaver
n be ſure he will make a good Piece of Cloth; for if
re be too few Threads in the Warp or Breadth, it
l be a ſleazy, weak, unſerviceable Cloth; and if
re be too many, it will be ſtubborn, and fret in the
aring, and look coarſer than really it is.

ow I conceived that if any certain Remedy could
found for this great Defect, it muſt be by the Help
Numbers; and offering my Thoughts to ſome Per-
s, whom I knew capable of adviſing me, they ſeem-
o be ſo much of my Opinion as to encourage me to
on in my own Way: I have therefore with ſome
ought and Expence, and much Application, calculated

lated the following Tables, which before I explain, ſhall deſire Leave to ſhew ſome of the beſt Metho commonly taken by Weavers to adjuſt the Reed to th Yarn, and leave every Reader to judge whether the are more than Conjecture, or, at beſt, a weak Prob bility.

It is the Cuſtom of ſome Weavers to graſp the War or all the Threads in the Breadth of the Cloth, their Hands, and then immediately pretend to te what Reed that Sort of Yarn ought to be wrought in Others having made a Piece of good Cloth, rememb they had ſo many Pounds in the Warp or Breadth that Cloth at ſuch a Length, and that it was wroug in ſuch a Reed; therefore they put that down for Memorandum, and from thence will give ſome ſo of a Gueſs of Yarn very near that Size, but are e tirely at a Loſs when they go any Diſtance from the firſt Obſervation And perhaps it may not be impoſ ble for a Man of great Skill and Induſtry, to arri at ſome imperfect Knowledge in thoſe Sorts of Yar that he has often worked; but in others, to which h has not been accuſtomed, as it frequently happens his Trade, he is altogether to ſeek, and hath no Ru to follow but his Eye, which is ſo uncertain, there no depending on it, as will appear by the followi Experiment.

Take the beſt Weaver in the Kingdom that preten to ſort Yarn by his Eye, give him a Dozen Hanks Yarn, bid him ſort them, and name the Reeds th ought to be wrought in; when he has done, turn hi out of the Room, put you ſuch Marks on each Ha of the Number of the Reed (he ſaid) the Yarn ought be wrought in, that you may know one from the othe then mix them together again, call him in, bid hi ſort them once more, and he ſhall vary from his fi Opinion; and if you do ſo as often as there are Han of Yarn, he will, perhaps, as often change his Opi on; which is a Truth ſo well known, that I have offe ed ſeveral Weavers a conſiderable Sum to undertake diſprove it.

By what has been ſaid, it is great Odds againſt the Weaver that he miſcarries, the Conſequence of which, s either that he muſt make bad Cloth (for all their pretended Helps,) or elſe be at great Loſs of Time and Pains o fix and mount another Set of Geers and Reeds, which muſt cauſe great waſte of Yarn.

To confirm what I am now ſaying, I appeal to the Conſcience of every honeſt Weaver, whether as oft as he had a mind to make a true good Piece of Cloth, he hath not been perplex'd and in Doubt, in what Reed to work his Yarn, tho' it were even of that Sort which he had ſometimes worked before; much more if it were of a kind to which he had not been uſed, and whether he was ever ſure of being right, till he had wrought a ittle of the Cloth.

But for a further Obſervation of the Uſefulneſs of heſe Tables, I muſt take notice of Mr. *Crommelin*'s Endeavours for his own private Uſe, to conquer this Difficulty of adjuſting the Reed to the Yarn, taken from ear two hundred ſeveral ſorts of Yarn reduced by im to twelve Degrees, to make ſo many ſorts of Cloth s to Fineneſs, but as to Goodneſs all alike, a right true Holland; this he calls his practicable *Sleaing-Table*, which he gave me a Sight of; and there I was further convinced of the Truth of my own Calculations, becauſe we agreed exactly in four Particulars, but in the reſt we differed, as appears by his Certificate.

However, I muſt crave the Liberty to ſay, that my Calculations are taken from Geometrical Proportions, which are infallible, and his Obſervations only from Practice, which muſt often err; and for that Reaſon, I conceive, he has not thought fit to publiſh them, which I would rather ſuppoſe than that a Perſon of his Probity ſhould envy the Publick a Diſcovery of ſo much Uſe; but to ſay the Truth, ſuch Obſervations s thoſe are too difficult for common Heads to apply: To which I might add, that his Tables reach but a few orts of Cloth, and that without taking any notice of the whole Hundreds, (a very material Point) ſo as to ary ſometimes Ten *per Cent.* and mine taken from

Fourteen hundred and forty ſorts of Yarn are fitted fo all ſorts of well wrought thick Cloth that are or can b made.

And here I muſt take Occaſion to obſerve, that a Gentleman, who always ſeemed to approve of my new Method for teaching the Weaver to adjuſt the Reed to the Yarn, did yet with great Violence, join with others to oppoſe this Clauſe about marking the Number in the end of the Cloth, both at the Committee in the Houſe, and at the Council-Chamber. We were both heard at the Committee and at the Bar of the Houſe, where the Objections appeared of ſo little Weight, and were ſo readily anſwered by ſeveral Members themſelves, that the Clauſe paſſed without any Difficulty.

In ſome Days the Bill, as uſual, was brought before the Council, where that Gentleman appeared again with more Violence than ever, and which was worſe, I had the ill Fortune to be out of Town; but his Grace the Lord Arch-Biſhop of *Dublin* ſoon made the Matter ſo clear, that the whole Council was entirely ſatisfied.

I had the Honour, more than once, of having Acceſs to his Grace, who had the Patience and Goodneſs to hear me explain my Scheme, and to approve it. I ſhew'd him likewiſe a Sample of Cloth with the Marks as I had contrived them; and his Grace's Diſpoſition to encourage every Thing intended for the publick Service, diſpoſed him to offer a Word in my Favour.

I owe infinite Acknowledgments to his Grace for ſo much Condeſcenſion; and am not leſs proud of his Protection for ſharing it with ſo many Hundreds that partake of his Influence, becauſe I know it proceeds from an Approbation of my honeſt Intents.

And here I muſt beg Leave to mention with all Humility and Gratitude another great Perſon, the Earl of *Abercorne*, whoſe publick Spirit prompted him to appear in my Defence.

No doubt the Reaſon is very plain, the Weavers raiſed ſo many Cavils (for I can call them no better) againſt this Clauſe, about marking the Ends of Linen Cloth, without which all I had propoſed to the

Parliament would have been of little Uſe, at leaſt, for a long Time, for want of ſome Law to enforce it, for the Marks which every Weaver is obliged, by that Clauſe, to make at the End of his Cloth, do not oblige him to alter his Way of working; he may work either ſleazy or ſtrong, as he pleaſes. The Uſe of the following Tables is only to inſtruct him how to make good Cloth, if he thinks fit; and the uſe of the Marks is to inform the Buyer whether the Cloth be truly wrought, or no.

However, to do them Juſtice, they offered three Objections; which I promiſed to conſider, and ſhall diſpatch in a few Words.

Firſt, they ſaid this Invention of marking the ends of Cloth was not practiſed any where abroad in thoſe Countries where the Linen Manufacture is at its greateſt Heighth.

To this I anſwer, that if the Linen Manufacture were at its greateſt Heighth with us, there would be no need r either them or me to trouble the Publick with our Schemes for improving of it.

There is no doubt, but among an induſtrious People n full Liberty of Trade, and after a long Courſe of ime, a Manufacture may ariſe at great Perfection; and t it is very well known that in *Holland*, it ſelf, there ve been above twenty Laws for the pickling and cung Herrings. Beſides, it is our Buſineſs to advance our nen Trade as ſoon as we can, if we would have the nefit of it in our own Time; ſince it lies upon us to ual the *Hollanders* in the Goodneſs of our Cloth, and underſel them in foreign Markets.

The Second Objection was, That this Expedient of rking the Ends of the Cloth would create Diſputes d Differences between the Buyer and Seller. For which inion they offered not the leaſt Shadow of Reaſon, her to the Houſe of Commons, or the Council. wever the Objection was well thought of, becauſe e great Deſign of thoſe Marks was to prevent all h Differences and Diſputes, as it muſt needs, where the le is infallible, and the moſt ignorant Perſon can

with

with the Help of the Tables underſtand and apply it; for they who have been long Dealers cannot but know that moſt Differences in the vending of Goods ariſe from the Ignorance and Diffidence of the Buyer, and the Impoſition and fraudulent Arts of the Seller.

The Third Objection againſt thoſe Marks was in Behalf of the poor Spinner, who brings her Yarn to be wove, and upon whom the Weaver would impoſe by over-ſleaing her Cloth, that he might get the bette Price for the weaving it. I was loth to mention thi Objection purely in Favour of ſome of them, becauſe i they believ'd themſelves when they made it, People wh know any Thing of this Trade will be apt to call thei Skill in Queſtion; but they urged it ſo warmly befor the Honourable Members of the Houſe and Counci (where they thought it would be impoſſible they ſhoul be underſtood) that I cannot in Juſtice to myſelf conceal it.

I appeal to any Weaver in the Kingdom, whether h can over-ſlea his Cloth to any Degree that will raiſ the Price of weaving it, equal to the Trouble and Lo of Time, by breaking his Threads Five for one, mor than if it were only ſlea'd to its due Proportion But there is ſtill a greater Diſadvantage, for by this proceeding the Weaver muſt neceſſarily make what the call a long-grained Cloth, a Fault of all others, mo hateful to the Buyer, and eaſieſt to be detected; n can any Spinner be ſuppoſed to be ſo ignorant as n to diſcover it at firſt ſight.

This I only ſay, occaſionally, to ſhew there is n ſort of Force in the Objection; for I muſt here infor them, that one great Deſign in theſe Marks and T bles was to inſtruct the Spinner, and prevent her b ing impoſed on by the Weaver; that by having the Tables read to her, ſhe may order the Weaver wh Reed to work her Yarn in, and by the Marks be a Jud whether he has wrought it in that Reed or no.

There is no Art whatſoever, but what is capable further Improvement; and many great Improveme have been diſcovered by Chance, and by Men of ve

modera

moderate Abilities: How much more Advances may be made in an Art which is ſtill with us, as it were, in its Infancy? And it is the Mark of a little Spirit to reject an Invention as uſeleſs, becauſe it is in our own Trade, and we had not the Luck to diſcover it our ſelves.

The other Objections were made before the Honourable the Truſtees, and I think have as little weight in them as the former, and I hope to diſpatch them as ſoon.

The firſt is, ‘ Take a Pound of Flax that grew in a rich Soil, and ſpin it to a certain Length; then take a Pound of Flax that grew in a poor and hungry Soil, ſpin it to the ſame Length, the rich Flax ſhall look finer than the poor Flax, yet weigh the ſame.

I remember this Objection was urg'd with great confidence as Matter of Fact, tho' the Objectors could not prove it by any one ſingle Experiment they had made. And ſince the many Experiments I have made incline me to believe the contrary, I hope I may with equal Modeſty and more Reaſon, deny what they affirm.

The Objectors know nothing of the ſpecifick Gravity of Vegetables, tho' they borrow the Objection from thence; for they would ſay a Vegetable will increaſe in its ſpecifick Gravity if it be removed to a richer Soil: which is falſe, for that never changes or alters, tho' the Soil be changed ſeveral times, as may be ſeen by Dr. *Woodward*'s Experiments on Vegetation.

I further argue, that granting an inconſiderable Difference of ſpecifick Gravity may ariſe from different Soils, yet conſidering the many purging Operations Flax and Yarn go through before it is brought to the Loom, that inconſiderable difference will be infinitely leſſen'd, if not entirely removed, ſince that Difference ariſes from the Juices ſent into the Plant by different Soils, and not from its ſolid Tubes. And ſince it is well known that a fourth part of the Weight of all Yarn is purged and dry'd up in the bleaching before it is warped; to which I might add as much in the Flax before it is ſpun; I therefore hope I may conclude that the ſolid Parts only remain unaltered, and of that one univerſal natural ſpecifick Gravity proper to that Plant.

Among the above-nam'd Experiments of Vegetation, you will find the ſpecifick Difference of Gravity not to exceed a fiftieth part, *even in different Plants.* And ſhould I allow there is as much in Flax growing on different Soils, I am ſtill inclined to believe the Tables will be the beſt Directors to the Weaver, becauſe the Objectors confeſs there is no Way to conquer this real or imaginary Difficulty, but by their Eye. Now I take a Weaver's Eye to be a very incompetent Judge of minute Differences, becauſe I have prov'd it very uncertain, even where the Objects are five times more diſtinguiſhable. To which I might add the Practice in *Holland*, or thoſe Countries where the Linen Manufacture is come to the greateſt Perfection; for the only way yet found out by them to judge of the Fineneſs of Yarn is by the Length and Count of the Hank, and difference in Weight, which Mr. *Crommelin* can teſtify, and I can prove by the Certificates of the greateſt Importers of *Dutch* Factories in the City of *Dublin.*

But ſtill granting (what by this time I hope I need not allow) the ſpecifick Difference of Gravity to be as great as the Objector pleaſes, I beg leave to ſay theſe Tables will be very uſeful to the Buyer of Cloth for this reaſon: Having weighed his Cloth, and found it too light, it is all one to him whether this proceeds from the Want of the due Number of Threads, or the different ſpecifick Gravity of the Flax it was made of; for he may be content with this only Knowledge that the Cloth is too light, and be no more concern'd from whence this ariſes, than a Merchant is whether a light Piſtole be bad Metal, or clipt. He is in both ways determined not to buy the Cloth, for this plain reaſon, that if this Lightneſs ariſes from the different ſpecifick Gravity of the Materials it was made of, he has even ſo, leſs Matter and Subſtance in his Cloth than he ſhould, and can gueſs it will wear much ſooner than a weighty Piece, as a Wyer Sieve will laſt longer than a Hair one.

To conclude, ſince the Objectors neither were nor can be certain of the truth of the Objection, I hope it will be no breach of Charity in me to ſay, they have given great reaſon to ſuſpect it was brought rather to ſerve their Cauſe, by keeping things perplex'd, than any Good they intended the Publick.

The Second Objection is, ' That the Spinner may over-twiſt or under-twiſt the Yarn, ſo as to make the ſame apparent difference that is pretended to be between rich and poor Flax.

To which I anſwer, The twiſting of the Yarn may make a Difference that may, perhaps, be diſtinguiſh'd by the Eye; but then ſuppoſe it to be over-twiſted, it muſt be wrought by the Tables, becauſe if the Eye was to direct, the over twiſting has made the Yarn ſo ſtubborn and brittle, that you cannot drive in equal Weft, did you ſlea it ſo high as it appears to be fine.

Again, is it under-twiſted, ſhould the Eye be Judge, you would under-ſlea it, becauſe it appears courſer then really it is; but ſlea it according to the Tables, and that will direct you to put in the number of Threads that the ſoft twiſting in reality want, which will be eaſily drove in by the ſtroke of the Slea-boards.

Thirdly, it is objected, ' That a Gentleman having bought a Piece of Cloth according to the Tables, and found it anſwer his Expectation in every other reſpect, he will intirely depend on them for the future; which will encourage the Weaver to buy bad Yarn a Penny or Two pence a dozen cheaper, and work it up according to the Tables, the better to deceive ſuch Buyers.

Surely the Objector forgot the ſpecifick Gravity he had been juſt talking of when he made the Objection; for if he means by bad Yarn only that which is made of Flax that grew in a hungry Soil, I then ſay, ſuppoſing his firſt Objection to be true, he contradicts himſelf, becauſe that Yarn will want ſo much of the ſpecifick Gravity, that it cannot be wrought up to come near the weight of the Tables.

Again, if he means by bad Yarn that which is mad of Flax which grew in a rich Soil, all the World wi ſay he is miſtaken, becauſe good Materials trul wrought muſt needs produce good Goods, &c.

There are but four ways that I know to judge o good Linen Cloth: Firſt, the Colour; Secondly, t ſee that the Weft, or croſs Threads, be but very littl finer than the Warp, or long Threads: Thirdly, tha the Threads look ſquare, and no longer one way tha another; and Laſtly, the weight of the Cloth according to the Set (as Weavers call it) or Reed it wa wrought in.

This laſt is a Truth ſo well known to Weavers, tha by it only they pretend to judge of one anothers Cloth without ſo much as ſeeing them, tho' in this Particula they differ from each other (almoſt) as much as the do in adjuſting the Reed to the Yarn.

For a further confirmation of this truth, go into an Linen-Draper's Shop, deſire him to ſhew you a righ good thick Cloth; as he is offering it to you, he wi aver it to be ſuch before he opens it. If you aſk him how he knows it to be ſo without looking on it? h will ſay, he is ſure of it, becauſe it appears to him t be a very weighty Piece; for he knowing the Set o Reed that Cloth was wrought in, can beſt judge whether it ſeems light or heavy; which is the great Secret only known to them and the Weavers.

By what has been ſaid, I hope it plainly appears tha a weighty Cloth muſt needs be good when the Colou pleaſes you, and your Eye cannot diſcover the Thread to be longer one way than the other, nor the We to be finer than the Warp: Now the weight of al Cloths being fixt, it ought to be as great a Satisfactio to all honeſt Weavers and Drapers, as it is to all unſkilful Buyers; becauſe it will be a great means to cut o moſt of the Diſputes that ariſe between them.

The Fourth Objection is, ‘ That Weavers will ti
‘ or latch up (as they call it) two or three hundre
‘ Threads in the Warp for about half a Yard in th
‘ Piece, and then work on without them, which ma
‘ cheat an unwary Buyer.

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This appeared ſo fooliſh an Objection before the Honourable the Truſtees, and ſo eaſy to be detected by the moſt ignorant Buyer, who will miſs every Thread that is wanting, that I need ſay no more to it.

I think the laſt Objection that was made, appear'd very odd; for a Weaver told the Truſtees, theſe Tables were calculated too high (that is to ſay, every Warp or Chain was too heavy) for any Weaver to work in equal Weft; and at the ſame Time ſhew'd their Honours a Thirty Hundred Cloth (as he call'd it) that was conſiderably heavier than the Tables. To which I anſwer,

That for want of the Marks in the End of the Cloth, according to Act of Parliament, we muſt take his bare word for the number of Threads in the breadth of it, without which it is impoſſible to know to the contrary; but conſidering his Way of raiſing Objections, I hope there will be little or no Credit given to any thing he ſays, nor his word taken on that ſcore. For,

He of all Men had the leaſt reaſon to ſay ſo, becauſe he was appointed by the Truſtees to ſee me give Directions to a common Iriſh Weaver, whom I had never ſeen before, to work a Piece of Cloth in the Poorhouſe in *Dublin*, according to theſe Tables; and this Objector was actually by when that Weaver ſtruck the number of Weft into ſome Inches of the Cloth, even with one ſtroke; which was done before the Committee of the Truſtees, who went to ſee ſome of that Cloth wrought.

I confeſs, a good Weaver that ſits ſteddy, treads ſure, draws his Weft ſtreight, and ſtrikes three Strokes firmly, will make a better Cloth than the Tables direct; yet I cannot but think I am in the right to give ſome allowance for worſe Workmen, becauſe ſuch as I have deſcribed are the beſt Weavers in the World.

At the ſame time I aver, that every Weaver who makes his Cloth according to theſe Tables, will make it a fourth part better than what is commonly ſold, and yet it ſhall not coſt him an eighth part in Yarn and Labour more than he beſtows on common Iriſh Cloth.

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I will further aſſure the Buyer, if he cannot diſcern the Threads to look longer one way than the other, nor the Weft to be finer than the Warp, that the weight, according to the Tables, will never deceive him; but he will find that Cloth to be right good and truly made, and will anſwer all other Ways of Tryal that can be thought of.

Now, for the Satisfaction of the Curious, and to incline them to believe theſe Tables are as certain as any thing of this nature can be, and have determin'd the weight of all Cloths beyond many Years Experience, I beg leave to ſhew the Mathematical Foundation on which they are calculated.

All Yarn by Act of Parliament is to be reel'd into Hanks or Dozens, each Hank to contain Three thouſand ſix hundred Yards, and no more. *

It is found by many Experiments, that ſuch a Hank weighing four Ounces muſt be wrought in a Thirteen Hundred and half Reed, that is to ſay, Two thouſand ſeven hundred of thoſe Threads muſt be in a Cloth, yard-broad, made of that Yarn.

Therefore the Diameter of that Yarn is equal to the Two thouſand ſeven hundredth part of a Yard.

The Diameter weight and length of one Hank being known, and Hanks extended being taken for Cilinders:

The Diameter of all other Cilinders, or Threads in Hanks, are calculated from their known weight and length.

Again, where the number of yards of Yarn in the Hank is not known, but that Yarn muſt be ſorted by the Eye.

All Weavers by their warping-bars know the number of Threads in the breadth of the Cloth; and the length being what the Artiſt intends to make his Cloth of, the ſame number, length and weight on the warping-bars agreeing with thoſe in the Tables, ſhews the mean Diameter of each particular Thread; and the number of the Reed being taken from that Diameter, ſhews what Reed that Yarn ought to be wrought in. Yet the Diameter, and every other Term above the capacity of the meaneſt Perſon that can read, is intirely

left

* a Standard Hank must weigh four Ounces Vide Preface 14 —

left out of the Tables; and nothing named there but what every Houſewife, that has them read to her, will plainly underſtand.

The Weights made uſe of on this Occaſion, are called *Averdupois* Weight, whoſe Pound is divided into ſixteen Ounces, and each Ounce into ſixteen Drams.

But finding a Dram to be too large for my Calculations, I was obliged to ſub divide that Dram into ſixteen parts, which I call Grains.

Now thoſe Grains being all along wrought up in the following Tables, are not expreſſed but as they make up a whole Dram.

Therefore the Curious, in looking over the Tables, will frequently find an odd Dram caſt up, which they would be apt to think was a Miſtake of me, or the Preſs, had I not given the above Reaſon for it.

Indeed, in this, I had Regard to the poor induſtrious Weaver, who is not able to purchaſe the Mathematical Sleaing-Scales, by putting it in his Power, with the help of theſe Tables, to make himſelf a Set of Weights to ſort all manner of Yarn with, of any Materials he can get, and that by a Standard he is ſure to find almoſt in every little Country Shop.

As for Example.

LET him get a Stone. (if he can't buy Lead) and make it of equal Weight with ſeven Ounces and a quarter, which is the ſame thing as four Drams, then he is ſure he can tell a Hank of Yarn that is to be wrought in a Ten Hundred Reed, by weighing it with that Weight; and ſo he may proceed to make the whole Set if he pleaſes.

1lb = 16oz Drams
1 = 16 Grains
1 = 16

THE EXPLANATION OF THE Weavers Tables.

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ON the Top of each Page you have the Number of *Dozens*, *Cuts* and *Loops* that is in one Pound of whited Yarn, fit for the Loom, that ought to be wrought in that Reed; with the Weight of a Standard-Hank or Skean of that Yarn, and the Number of thoſe Hanks that will make twenty Yards of Cloth. Then follows the Weight of half a Yard of that Warp, and ſo on to twenty Yards. Then you have the Weight of twenty Yards of Cloth in neat Yarn, beſides the Weavers Stuff or Sizing, which, generally ſpeaking, is about one Pound in twenty Yards. Towards the Bottom you have the Weight of half an Hundred of that Reed, or one hundred Threads of that Yarn twenty Yards long on the Warping-bars, to ſhew how you may add or ſubſtract from the whole Chain or Warp, as it proves too heavy or too light by the Fraud or Miſtake of falſe-counted Yarn, the uſe of which will be ſhewn in the following Example. And laſt of all, you have the Number of Threads of that Yarn which muſt be ſtruck into one Inch of Cloth, if the Weaver do his part to make a true ſquare Cloth.

As for Example.

I Gueſs my Yarn will make a Ten Hundred Cloth; I look for that Number in the Top of the Page, and find Yarn proper for that Reed is two Dozen, two

Cuts and two Loops to the Pound, one Dozen of which Yarn weighs ſeven Ounces, four Drams: And twenty five Dozen of that Yarn will make twenty Yards of Cloth.

	lb.	*oz.*	*dr.*
Half a Yard of Warp will weigh	00	02	04
One yard *ditto* ——— ———	00	04	08
Two yards *ditto* —— ———	00	09	01
Three yards *ditto* ———	00	13	10
Four yards *ditto* —— — — —	01	02	03
Five yards *ditto* —— —— ——	01	06	12
Ten yards *ditto* —— —— ——	02	13	08
Twenty yards *ditto* —— ———	05	11	01
The whole Web in Cloth twenty Yards long in neat Yarn	11	06	03

Half an Hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh four Ounces, eight Drams.

Fifty five Threads of that Yarn muſt be ſtruck into one Inch of Cloth, to make a true Square Cloth.

But to prove my Yarn whether it was true Count or no, I warp up but half my Chain, *viz.* Five hundred; which if I find weighs exactly the Weight of ten Yards of my Chain or Warp, *viz.* Two Pound, thirteen Ounces, eight Drams; I am ſure the Yarn was true count, and ſo proceed to warp up my whole Chain, *viz.* the other Five Hundred.

But ſuppoſe the ſaid Five Hundred prove heavier than I expected by the Weight of half a Hundred of the next coarſe Chain, *viz.* Nine Hundred and an half, which is five Ounces; I am ſure the Yarn was not true count, and therefore coarſer than I expected: For which reaſon I warp up but Four Hundred and an half in my next half Chain, becauſe the half Hundred I have abated in this laſt half Chain I had in the weight of the firſt half Chain, which is Demonſtration the Yarn is but a Nine Hundred and half Yarn, becauſe the whole Chain or Warp being now but Nine Hundred and an half, weighs Five Pound, fifteen Ounces, and fifteen Drams; which is juſt the Weight that ſort of Yarn ought to weigh, as you will find in its proper Page, *viz.* Nine Hundred and an half.

Again, ſuppoſe the aforeſaid half Chain of Five Hundred ſhould be lighter than I expected by the weight of half an hundred of the next fine Chain, *viz.* Ten Hundred and an half, which is four Ounces, two Drams, I am ſure the Reel was longer than a Standard-Reel, or the Yarn over-counted, which latter very rarely happens, therefore the Yarn is finer than I expected; for which reaſon I warp up Five Hundred and an half in my next half Chain, becauſe the half Hundred I add in this ſecond half Chain, I wanted in the Weight of the firſt; which is Demonſtration the Yarn is a Ten Hundred and an Half Yarn, becauſe the whole Chain or Warp of Ten Hundred and an half weighs but Five Pound, ſix Ounces, and eleven Drams, as you will find in its proper Page, *viz.* Ten hundred and an half.

But to thoſe Weavers that uſe to warp up their whole Chain at once, I adviſe, that they take it off the Warping-bars one Hundred leſs than they deſigned, becauſe of falſe counted Yarn; then weigh it, and add the half or whole Hundred, as there is occaſion.

☞ Note, *All Reeds that are uſed according to theſe Tables, are to be one tenth part wider than you deſign your Cloth, and the Warping-bars of the ſame Proportion, that is to ſay, you muſt allow forty Inches of Chain, or Warp, for every Yard of Cloth you deſign to make, becauſe the tenth part you allow will ſhrink up in the weaving and whitening.*

And take this for a conſtant infallible Rule, that two Dozen and an half of true-counted Yarn will make Warp and Weft twenty Yards long, for one Hundred in the Reed, at any pitch whatever.

A four hundred Reed (at Yard-wide) will require Yarn of four Cuts two Loops in the Pound; a Standard-Hank, or one Dozen, will weigh two Pound, thirteen Ounces, three Drams; ten Dozen of that Yarn will make twenty Yards of that Cloth.

	lb.	oz.	dr.
Half a yard warp	00	05	13
One yard *ditto*	00	11	11
Two yards *ditto*	01	07	06
Three yards *ditto*	02	03	01
Four yards *ditto*	02	14	12
Five yards *ditto*	03	10	07
Ten yards *ditto*	07	04	15
Twenty yards *dit.*	14	09	15
The whole webb	29	03	14

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty yards long on the warping-bars, will weigh one Pound, thirteen Ounces, and three Drams.

Twenty two Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A four hundred and half Reed (at Yard-wide) will require Yarn of five Cuts two Loops in the Pound; a Standard-Hank, or one Dozen, will weigh two Pound, four Ounces; eleven Dozen three Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	oz.	dr.
Half a yard warp	00	05	01
One yard *ditto*	00	10	02
Two yards *ditto*	01	04	04
Three yards *ditto*	01	14	06
Four yards *ditto*	02	08	08
Five yards *ditto*	03	02	10
Ten yards *ditto*	06	05	05
Twenty yards *dit.*	12	10	10
The whole Webb	25	05	05

Half a hundred of that Warp, or one hundred Threads of that Yarn twenty yards long on the warping bars, will weigh one Pound, ſix Ounces, and eight Drams.

Twenty five Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A five hundred Reed (at Yard wide) will require Yarn of ſix Cuts four Loops in the Pound; a Standard-Hank, or one Dozen, will weigh one Pound, twelve Ounces, twelve Drams; twelve Dozen ſix Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard warp	00	04	07
One yard *ditto*	00	08	15
Two yards *ditto*	01	01	15
Three yards *ditto*	01	10	15
Four yards *ditto*	02	03	15
Five yards *ditto*	02	12	15
Ten yards *ditto*	05	09	15
Twenty yards *dit.*	11	03	14
The whole webb	22	07	12

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty yards long on the warping-bars, will weigh one Pound, one Ounce, and fifteen Drams.

Twenty ſeven Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A five hundred and half Reed (at Yard-wide) will require Yarn of eight Cuts in the Pound; a Standard-Hank, or one Dozen, will weigh one Pound, eight Ounces; thirteen Dozen nine Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard warp	00	04	02
One yard *ditto*	00	08	04
Two yards *ditto*	01	00	08
Three yards *ditto*	01	08	13
Four yards *ditto*	02	01	01
Five yards *ditto*	02	09	05
Ten yards *ditto*	05	02	11
Twenty yards *dit.*	10	05	07
The whole Webb	20	10	15

Half a hundred of tha Warp, or one hundred Threads of that Yarn twenty Yards long on the warping-bars, will weigh fifteen Ounces.

Thirty Shoots or Threads of that Yarn muſt b ſtruck into one Inch o that Cloth.

A ſix hundred Reed (at Yard wide) will require Yarn of nine Cuts three Loops in the Pound; a Standard-Hank, or one Dozen, will weigh one Pound, four Ounces, three Drams; fifteen Dozen of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	03	12
One yard *ditto*	00	07	09
Two yards *ditto*	00	15	02
Three yards *ditto*	01	06	11
Four yards *ditto*	01	14	04
Five yards *ditto*	02	05	13
Ten yards *ditto*	04	11	11
Twenty yards *dit.*	09	07	06
The whole Webb	18	14	13

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty yards long on the Warping-bars, will weigh twelve Ounces, nine Drams.

Thirty three Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A ſix hundred and half Reed (at Yard-wide) will require Yarn of eleven Cuts one Loop in the Pound; a Standard-Hank, or one Dozen, will weigh one Pound, one Ounce, three Drams; ſixteen Dozen three Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	03	07
One yard *ditto*	00	06	14
Two yards *ditto*	00	13	12
Three yards *ditto*	01	04	10
Four yards *ditto*	01	11	08
Five yards *ditto*	02	02	06
Ten yards *ditto*	04	04	12
Twenty yards *dit.*	08	09	08
The whole Webb	17	03	00

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh ten Ounces, nine Drams.

Thirty ſix Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A ſeven hundred Reed (at Yard-wide) will require Yarn of one Dozen one Cut in the Pound; a Standard-Hank, or one Dozen, will weigh fourteen Ounces twelve Drams; ſeventeen Dozen ſix Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	03	03
One yard *ditto*	00	06	07
Two yards *ditto*	00	12	14
Three yards *ditto*	01	03	05
Four yards *ditto*	01	09	13
Five yards *ditto*	02	00	04
Ten yards *ditto*	04	00	08
Twenty yards *dit.*	08	01	01
The whole Webb	16	02	02

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh nine Ounces, and three Drams.

Thirty eight Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A ſeven hundred and half Reed (at Yard-wide) will require Yarn of one Dozen, two Cuts, and five Loops in the Pound; a Standard-Hank, or one Dozen, will weigh twelve Ounces fifteen Drams; eighteen Dozen nine Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	03	00
One yard *ditto*	00	06	01
Two yards *ditto*	00	12	02
Three yards *ditto*	01	02	03
Four yards *ditto*	01	08	04
Five yards *ditto*	01	14	05
Ten yards *ditto*	03	12	10
Twenty yards *dit.*	07	09	04
The whole Webb	15	02	08

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh eight Ounces, one Dram.

Forty one Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

An

n eight hundred Reed (at Yard-wide) will require Yarn of one Dozen, four Cuts, and five Loops in the Pound; a Standard-Hank, or one Dozen, will weigh eleven Ounces ſix Drams; twenty Dozen of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
alf a yard Warp	00	02	12
ne yard *ditto*	00	05	09
wo yards *ditto*	00	11	03
hree yards *ditto*	01	00	12
ur yards *ditto*	01	06	06
ve yards *ditto*	01	12	00
en yards *ditto*	03	08	00
wenty yards *dit.*	07	00	00
he whole Webb	14	00	00

alf a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh ſeven Ounces and two Drams.

rty four Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

An eight hundred and half Reed (at Yard-wide) will require Yarn of one Dozen, ſeven Cuts, and one Loop in the Pound; a Standard-Hank, or one Dozen, will weigh ten Ounces; twenty one Dozen three Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	02	10
One yard *ditto*	00	05	05
Two yards *ditto*	00	10	10
Three yards *ditto*	00	15	15
Four yards *ditto*	01	05	04
Five yards *ditto*	01	10	09
Ten yards *ditto*	03	05	03
Twenty yards *dit.*	06	10	06
The whole Webb	13	04	13

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh ſix Ounces and four Drams.

Forty ſeven Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A nine hundred Reed (at Yard-wide) will require Yarn of one Dozen, nine Cuts, and three Loops in the Pound; a Standard-Hank, or one Dozen, will weigh eight Ounces fourteen Drams; twenty two Dozen ſix Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	02	08
One yard *ditto*	00	05	00
Two yards *ditto*	00	10	00
Three yards *ditto*	00	15	00
Four yards *ditto*	01	04	01
Five yards *ditto*	01	09	01
Ten yards *ditto*	03	02	02
Twenty yards *dit.*	06	04	05
The whole Webb	12	08	10

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh five Ounces nine Drams.

Fifty Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A nine hundred and half Reed (at Yard-wide) will require Yarn of one Dozen, eleven Cuts, and five Loops in the Pound; a Standard-Hank, or one Dozen, will weigh eight Ounces; twenty three Dozen nine Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*
Half a yard Warp	00	02
One yard *ditto*	00	04
Two yards *ditto*	00	09
Three yards *ditto*	00	14
Four yards *ditto*	01	03
Five yards *ditto*	01	07
Ten yards *ditto*	02	15
Twenty yards *dit.*	05	15
The whole Webb	11	15

Half a hundred of th Warp, or one hundre Threads of that Yar twenty Yards long o the Warping-bars, wi weigh five Ounces.

Fifty two Shoots or Threa of that Yarn muſt ſtruck into one Inch that Cloth.

A ten hundred Reed (at Yard-wide) will require Yarn of two Dozen, two Cuts, and two Loops in the Pound; a Standard-Hank, or one Dozen, will weigh ſeven Ounces four Drams; twenty five Dozen of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	02	04
One yard *ditto*	00	04	08
Two yards *ditto*	00	09	01
Three yards *ditto*	00	13	10
Four yards *ditto*	01	02	03
Five yards *ditto*	01	06	12
Ten yards *ditto*	02	13	08
Twenty yards *dit.*	05	11	01
The whole Webb	11	06	03

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh four Ounces eight Drams.

Fifty five Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A ten hundred and half Reed (at Yard-wide) will require Yarn of two Dozen five Cuts in the Pound; a Standard-Hank, or one Dozen, will weigh ſix Ounces nine Drams; twenty ſix Dozen three Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	02	02
One yard *ditto*	00	04	05
Two yards *ditto*	00	08	10
Three yards *ditto*	00	13	00
Four yards *ditto*	01	01	05
Five yards *ditto*	01	05	10
Ten yards *ditto*	02	11	05
Twenty yards *dit.*	05	06	11
The whole Webb	10	13	07

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh four Ounces two Drams.

Fifty eight Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

An eleven hundred Reed (at Yard-wide) will require Yarn of two Dozen eight Cuts in the Pound; a Standard-Hank, or one Dozen, will weigh ſix Ounces; twenty ſeven Dozen ſix Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	02	01
One yard *ditto*	00	04	02
Two yards *ditto*	00	08	04
Three yards *ditto*	00	12	06
Four yards *ditto*	01	00	08
Five yards *ditto*	01	04	10
Ten yards *ditto*	02	09	04
Twenty yards *dit.*	05	02	08
The whole Webb	10	05	00

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh three Ounces, twelve Drams.

Sixty one Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

An eleven hundred and half Reed (at Yard-wide) will require Yarn of two Dozen, ten Cuts, and five Loops in the Pound; a Standard-Hank, or one Dozen, will weigh five Ounces eight Drams; twenty eight Dozen nine Cuts of that Yarn will make twenty Yards of that Cloth.

	lb	*oz.*	*dr.*
Half a yard Warp	00	01	15
One yard ditto	00	03	15
Two yards *ditto*	00	07	14
Three yards *ditto*	00	11	14
Four yards *ditto*	00	15	13
Five yards *ditto*	01	03	12
Ten yards *ditto*	02	07	09
Twenty yards *dit.*	04	15	03
The whole Webb	09	14	07

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh three Ounces, ſeven Drams.

Sixty three Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A twelve hundred Reed (at Yard-wide) will require Yarn of three Dozen two Cuts in the Pound; a Standard-Hank, or one Dozen, will weigh five Ounces; thirty Dozen of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	01	14
One yard *ditto*	00	03	12
Two yards *ditto*	00	07	09
Three yards *ditto*	00	11	05
Four yards *ditto*	00	15	02
Five yards *ditto*	01	02	14
Ten yards *ditto*	02	05	13
Twenty yards *dit.*	04	11	10
The whole Webb	09	07	04

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh three Ounces two Drams.

Sixty ſix Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A twelve hundred and half Reed (at Yard-wide) will require Yarn of three Dozen, five Cuts, and one Loop in the Pound; a Standard-Hank, or one Dozen, will weigh four Ounces ten Drams; thirty one Dozen three Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	01	13
One yard *ditto*	00	03	10
Two yards *ditto*	00	07	04
Three yards *ditto*	00	10	14
Four yards *ditto*	00	14	09
Five yards *ditto*	01	02	03
Ten yards *ditto*	02	04	06
Twenty yards *dit.*	04	08	13
The whole Webb	09	01	10

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh two Ounces fourteen Drams.

Sixty nine Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A thirteen hundred Reed (at Yard-wide) will require Yarn of three Dozen, eight Cuts, and three Loops in the Pound; a Standard-Hank, or one Dozen, will weigh four Ounces five Drams; thirty two Dozen ſix Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	01	12
One yard *ditto*	00	03	08
Two yards *ditto*	00	07	00
Three yards *ditto*	00	10	08
Four yards *ditto*	00	14	00
Five yards *ditto*	01	01	08
Ten yards *ditto*	02	03	00
Twenty yards *dit*	04	06	00
The whole Webb	08	12	00

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh two Ounces eleven Drams.

Seventy two Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A thirteen hundred and half Reed (at Yard-wide) will require Yarn of four Dozen in the Pound; a Standard-Hank, or one Dozen, will weigh four Ounces; thirty three Dozen nine Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	01	11
One yard *ditto*	00	03	06
Two yards *ditto*	00	06	12
Three yards *ditto*	00	10	02
Four yards *ditto*	00	13	08
Five yards *ditto*	01	00	14
Ten yards *ditto*	02	01	12
Twenty yards *dit.*	04	03	08
The whole Webb	08	07	00

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh two Ounces eight Drams.

Seventy five Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A fourteen hundred Reed (at Yard-wide) will require Yarn of four Dozen, three Cuts, four Loops in the Pound; a Standard-Hank, or one Dozen, will weigh three Ounces, eleven Drams; thirty five Dozen of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	01	10
One yard *ditto*	00	03	04
Two yards *ditto*	00	06	08
Three yards *ditto*	00	09	12
Four yards *ditto*	00	13	00
Five yards *ditto*	01	00	04
Ten yards *ditto*	02	00	08
Twenty yards *dit.*	04	01	00
The whole Webb	08	02	00

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping bars, will weigh two Ounces five Drams.

Seventy ſeven Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A fourteen hundred and half Reed (at Yard-wide) will require Yarn of four Dozen, ſeven Cuts, and two Loops in the Pound; a Standard-Hank, or one Dozen, will weigh three Ounces ſeven Drams; thirty ſix Dozen three Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	01	09
One yard *ditto*	00	03	02
Two yards *ditto*	00	06	04
Three yards *ditto*	00	09	06
Four yards *ditto*	00	12	09
Five yards *ditto*	00	15	11
Ten yards *ditto*	01	15	06
Twenty yards *dit.*	03	14	13
The whole Webb	07	13	10

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh two Ounces two Drams.

Eighty Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A fifteen hundred Reed (at Yard-wide) will require Yarn of four Dozen, eleven Cuts, and two Loops in the Pound; a Standard-Hank, or one Dozen, will weigh three Ounces three Drams; thirty ſeven Dozen ſix Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr*
Half a yard Warp	00	01	08
One yard *ditto*	00	03	00
Two yards *ditto*	00	06	01
Three yards *ditto*	00	09	01
Four yards *ditto*	00	12	02
Five yards *ditto*	00	15	02
Ten yards *ditto*	01	14	05
Twenty yards *dit.*	03	12	10
The whole Webb	07	09	04

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh two Ounces.

Eighty three Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A fifteen hundred and half Reed (at Yard-wide) will require Yarn of five Dozen, three Cuts, and two Loops in the Pound; a Standard-Hank, or one Dozen, will weigh three Ounces; thirty eight Dozen nine Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	01	07
One yard *ditto*	00	02	14
Two yards *ditto*	00	05	13
Three yards *ditto*	00	08	12
Four yards *ditto*	00	11	10
Five yards *ditto*	00	14	09
Ten yards *ditto*	01	13	02
Twenty yards *dit.*	03	10	05
The whole Webb	07	04	11

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh one Ounce fourteen Drams.

Eighty ſix Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

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A ſixteen hundred Reed (at Yard-wide) will require Yarn of five Dozen, ſeven Cuts, and two Loops in the Pound; a Standard-Hank, or one Dozen, will weigh two Ounces thirteen Drams; forty Dozen of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	01	06
One yard *ditto*	00	02	13
Two yards *ditto*	00	05	11
Three yards *ditto*	00	08	08
Four yards *ditto*	00	11	06
Five yards *ditto*	00	14	03
Ten yards *ditto*	01	12	07
Twenty yards *dit*	03	08	14
The whole Webb	07	01	12

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh one Ounce twelve Drams.

Eighty eight Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A ſixteen hundred and half Reed (at Yard-wide) will require Yarn of five Dozen, eleven Cuts, and four Loops in the Pound; a Standard-Hank, or one Dozen, will weigh two Ounces ten Drams; forty one Dozen three Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	01	06
One yard *ditto*	00	02	12
Two yards *ditto*	00	05	08
Three yards *ditto*	00	08	04
Four yards *ditto*	00	11	00
Five yards *ditto*	00	13	12
Ten yards *ditto*	01	11	09
Twenty yards *dit.*	03	07	02
The whole Webb	06	14	05

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh one Ounce ten Drams.

Ninety one Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A ſeventeen hundred Reed (at Yard-wide) will require Yarn of ſix Dozen, four Cuts, and two Loops in the Pound; a Standard-Hank, or one Dozen, will weigh two Ounces eight Drams; forty two Dozen ſix Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	01	05
One yard *ditto*	00	02	10
Two yards *ditto*	00	05	05
Three yards *ditto*	00	08	00
Four yards *ditto*	00	10	11
Five yards *ditto*	00	13	05
Ten yards *ditto*	01	10	11
Twenty yards *dit.*	03	05	07
The whole Webb	06	10	14

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh one Ounce nine Drams.

Ninety four Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

An eighteen hundred Reed (at Yard-wide) will require Yarn of ſeven Dozen, one Cut, and two Loops in the Pound; a Standard-Hank, or one Dozen, will weigh two Ounces four Drams; forty ſive Dozen of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	01	04
One yard *ditto*	00	02	08
Two yards *ditto*	00	05	01
Three yards *ditto*	00	07	09
Four yards *ditto*	00	10	02
Five yards *ditto*	00	12	10
Ten yards *ditto*	01	09	05
Twenty yards *dit.*	03	02	10
The whole Webb	06	05	04

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh one Ounce ſix Drams.

One hundred Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

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A nineteen hundred Reed (at Yard-wide) will require Yarn of ſeven Dozen eleven Cuts in the Pound; a Standard Hank, or one Dozen, will weigh two Ounces; forty ſeven Dozen ſix Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	01	03
One yard *ditto*	00	02	06
Two yards *ditto*	00	04	12
Three yards *ditto*	00	07	02
Four yards *ditto*	00	09	09
Five yards *ditto*	00	11	15
Ten yards *ditto*	01	07	14
Twenty yards *dit.*	02	15	13
The whole Webb	05	15	10

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh one Ounce four Drams.

One hundred and five Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A twenty hundred Reed (at Yard wide) will require Yarn of eight Dozen, nine Cuts, and two Loops in the Pound; a Standard-Hank, or one Dozen, will weigh one Ounce thirteen Drams; fifty Dozen of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	01	02
One yard *ditto*	00	02	04
Two yards *ditto*	00	04	08
Three yards *ditto*	00	06	13
Four yards *ditto*	00	09	01
Five yards *ditto*	00	11	05
Ten yards *ditto*	01	06	11
Twenty yards *dit.*	02	13	07
The whole Webb	05	10	15

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh one Ounce two Drams.

One hundred and eleven Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A twenty one hundred Reed (at Yard wide) will require Yarn of nine Dozen, eight Cuts, and two Loops in the Pound; a Standard-Hank, or one Dozen, will weigh one Ounce ten Drams; fifty two Dozen ſix Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	01	01
One yard *ditto*	00	02	02
Two yards *ditto*	00	04	05
Three yards *ditto*	00	06	07
Four yards *ditto*	00	08	10
Five yards *ditto*	00	10	12
Ten yards *ditto*	01	05	09
Twenty yards *dit.*	02	11	02
The whole Webb	05	06	04

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh one Ounce.

One hundred and ſeventeen Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A twenty two hundred Reed (at Yard-wide) will require Yarn of ten Dozen, ſeven Cuts, and two Loops in the Pound; a Standard-Hank, or one Dozen, will weigh one Ounce eight Drams; fifty five Dozen of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	01	00
One yard *ditto*	00	02	01
Two yards *ditto*	00	04	02
Three yards *ditto*	00	06	03
Four yards *ditto*	00	08	04
Five yards *ditto*	00	10	05
Ten yards *ditto*	01	04	10
Twenty yards *dit.*	02	09	04
The whole Webb	05	02	08

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh fifteen Drams.

One hundred twenty and two Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

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A twenty three hundred Reed (at Yard-wide) will require Yarn of eleven Dozen, ſeven Cuts, and two Loops in the Pound; a Standard-Hank, or one Dozen, will weigh one Ounce ſix Drams; fifty ſeven Dozen ſix Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	00	15
One yard *ditto*	00	01	15
Two yards *ditto*	00	03	15
Three yards *ditto*	00	05	14
Four yards *ditto*	00	07	14
Five yards *ditto*	00	09	14
Ten yards *ditto*	01	03	12
Twenty yards *dit.*	02	07	08
The whole Webb	04	15	01

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh thirteen Drams.

One hundred twenty and ſeven Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A twenty four hundred Reed (at Yard-wide) will require Yarn of twelve Dozen, ſeven Cuts, and four Loops in the Pound; a Standard-Hank, or one Dozen, will weigh one Ounce four Drams; ſixty Dozen of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	00	15
One yard *ditto*	00	01	14
Two yards *ditto*	00	03	12
Three yards *ditto*	00	05	11
Four yards *ditto*	00	07	09
Five yards *ditto*	00	09	07
Ten yards *ditto*	01	02	15
Twenty yards *dit.*	02	05	15
The whole Webb	04	11	15

Half a hundred of that Warp, or one hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh twelve Drams.

One hundred thirty and three Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A twenty five hundred Reed (at Yard-wide) will require Yarn of thirteen Dozen nine Cuts in the Pound; a Standard-Hank, or one Dozen, will weigh one Ounce two Drams; ſixty two Dozen ſix Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	00	14
One yard *ditto*	00	01	13
Two yards *ditto*	00	03	10
Three yards *ditto*	00	05	07
Four yards *ditto*	00	07	04
Five yards *ditto*	00	09	01
Ten yards *ditto*	01	02	03
Twenty yards *dit.*	02	04	06
The whole Webb	04	08	13

One hundred of that Warp, or two hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh one Ounce ſeven Drams.

One hundred thirty eight Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A twenty ſix hundred Reed (at Yard-wide) will require Yarn of fourteen Dozen ten Cuts in the Pound; a Standard-Hank, or one Dozen, will weigh one Ounce one Dram; ſixty five Dozen of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	00	14
One yard *ditto*	00	01	12
Two yards *ditto*	00	03	08
Three yards *ditto*	00	05	04
Four yards *ditto*	00	07	00
Five yards *ditto*	00	08	12
Ten yards *ditto*	01	01	08
Twenty yards *dit.*	02	03	00
The whole Webb	04	06	00

One hundred of that Warp, or two hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh one Ounce five Drams.

One hundred forty four Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

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A twenty ſeven hundred Reed (at Yard-wide) will require Yarn of ſixteen Dozen in the Pound; a Standard-Hank, or one Dozen, will weigh one Ounce; ſixty ſeven Dozen ſix Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	00	13
One yard *ditto*	00	01	10
Two yards *ditto*	00	03	05
Three yards *ditto*	00	05	00
Four yards *ditto*	00	06	11
Five yards *ditto*	00	08	06
Ten yards *ditto*	01	00	12
Twenty yards *dit.*	02	01	09
The whole Webb	04	03	03

One hundred of that Warp, or two hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh one Ounce four Drams.

One hundred and fifty Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A twenty eight hundred Reed (at Yard-wide) will require Yarn of ſeventeen Dozen three Cuts in the Pound; a Standard-Hank, or one Dozen, will weigh fourteen Drams; ſeventy Dozen of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	00	12
One yard *ditto*	00	01	09
Two yards *ditto*	00	03	03
Three yards *ditto*	00	04	13
Four yards *ditto*	00	06	07
Five yards *ditto*	00	08	01
Ten yards *ditto*	01	00	02
Twenty yards *dit.*	02	00	05
The whole Webb	04	00	11

One hundred of that Warp, or two hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh one Ounce three Drams.

One hundred and fifty five Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A twenty nine hundred Reed (at Yard-wide) will require Yarn of eighteen Dozen ſix Cuts in the Pound; a Standard-Hank, or one Dozen, will weigh thirteen Drams; ſeventy two Dozen ſix Cuts of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	00	12
One yard *ditto*	00	01	09
Two yards *ditto*	00	03	02
Three yards *ditto*	00	04	11
Four yards *ditto*	00	06	04
Five yards *ditto*	00	07	13
Ten yards *ditto*	00	15	10
Twenty yards *dit.*	01	15	04
The whole Webb	03	14	08

One hundred of that Warp, or two hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh one Ounce three Drams.

One hundred and ſixty one Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

A thirty hundred Reed (at Yard-wide) will require Yarn of nineteen Dozen nine Cuts in the Pound; a Standard-Hank, or one Dozen, will weigh twelve Drams; ſeventy five Dozen of that Yarn will make twenty Yards of that Cloth.

	lb.	*oz.*	*dr.*
Half a yard Warp	00	00	12
One yard *ditto*	00	01	08
Two yards *ditto*	00	03	00
Three yards *ditto*	00	04	08
Four yards *ditto*	00	06	00
Five yards *ditto*	00	07	08
Ten yards *ditto*	00	15	01
Twenty yards *dit.*	01	14	03
The whole Webb	03	12	06

One hundred of that Warp, or two hundred Threads of that Yarn, twenty Yards long on the Warping-bars, will weigh one Ounce two Drams.

One hundred and ſixty ſix Shoots or Threads of that Yarn muſt be ſtruck into one Inch of that Cloth.

HAVING finiſhed the Tables, I am very ſenſible that thoſe who make no other than light ſleazy Cloth, will think I have allowed too much Yarn to every Set or Reed: Yet I muſt here adviſe the Weaver not to be over-thrifty in ſaving his Yarn, becauſe he will infallibly find upon Experience, that where he ſaves one Penny-worth of Yarn in a Yard of Cloth, his Cloth will be three Pence a Yard the worſe, and that viſible to the moſt ordinary Judge; and the Time gained in his Work will not anſwer one Tenth to the Loſs he will ſuſtain in the Sale of his Cloth. This will immediately appear, by comparing it with Cloth truly wrought, with Yarn of the ſame Fineneſs, as both the Committees were convinced upon my ſhewing them three Pieces of Cloth made of the ſame Yarn, two ſleazy, and the other truly wrought: One of the ſleazy Cloths was a Fourteen hundred Yarn, woven in a Twelve hundred Reed; the Difference was a ſeventh Part of the Yarn ſaved, and the intrinſick Value of what it wanted to be truly wrought might be about Two Pence a Yard; but upon comparing it with the true wrought Piece, it was viſibly worſe Cloth by at leaſt Six Pence a Yard; not only on the account of Sleazineſs, but (what the Weaver will hardly believe) it appeared to be, as they expreſs it, four Sets, that is to ſay, conſiderably coarſer than the other.

I then produced to the Committee another Piece of Cloth of the ſame Yarn, wrought in an Eleven hundred Reed, where the Difference in Yarn from the Twelve hundred being but a twelfth Part, was but one Penny a Yard ſaved to the Weaver, and yet this Cloth was Three Pence a Yard worſe, beſides the Degree of Sleazineſs, and appeared yet coarſer by Two Sets or Sizes than that of the Twelve hundred, which all the Gentlemen aforeſaid were convinced of at firſt ſight.

So that by theſe, and other Experiments I have made, it is manifeſt, that a ſleazy Cloth is not only worſe on the account of its Sleazineſs, but appears always coarſer in proportion, as that Cloth is deprived of the due Quantity of Yarn it ought to have to make a true Cloth to

Perfection ; and conſequently makes a worſe Figure in wearing, and will yield a worſe Price in any Market, becauſe it will be looked upon to be made of coarſer Yarn than really it is; for I have now by me a Twelve hundred Cloth, made of a Twelve hundred Yarn rather coarſer than the Tables, yet looks as fine as the ſleazy Twelve hundred I have been talking of, tho' that was made of a Fourteen hundred Yarn.

I have been the more particular in this Matter, becauſe I know Ninety-nine Weavers in an Hundred are of a quite contrary Opinion, and believe the thinner and lighter a Cloth is wove, the finer it will look.

This is the Reaſon of a Complaint I have heard from ſeveral Gentlemen, that the Linen Cloth of *Ireland* looked as if the Threads were only ſeveral Pieces of Tape; (that is to ſay) for want of a due Proportion of Yarn, the Retailer is forced to fill up the void Spaces by Calendring; whereby the Threads preſſed down and flattened appeared much broader, and conſequently much coarſer than in *Dutch* Cloth, where the Threads being contiguous and cloſe together, appear round like ſo many Wyers, and conſequently a great deal finer.

But to ſay the Truth, tho' the Cloths I produced to the Committee were not calendered, yet the two ſleazy Pieces appeared, and in the Degrees aforeſaid, much coarſer than the third which was truly wrought, and that according to their Degrees of Sleazineſs, which would be ſtill more apparent if they had been calendered. Nor indeed can I tell any other Reaſon that could have introduced this Cuſtom of Calendring, being of no Benefit to Cloth further than a feeling ſmooth to the Hand, and making it appear much thicker than it will be after one waſhing or two; for then no body is able to tell whether it were calendered or no, and the Sleazineſs appears without any Diſguiſe.

But to return to the Weaver, he muſt be ſure to take Care his Weft be never above half a Hundred, or one Set, finer than his Warp; becauſe he will find, on a juſt Computation, he ſaves nothing by it: Nor will his Cloth look the finer for it, but rather the coarſer;

becauſe the Warp will drown and hide the Weft. But above all, it is a Fraud that is juſtly puniſhed by the Loſs of that Man's Reputation who makes it his conſtant Practice; for it is well known ſuch a Cloth will not do half the Service it would, were it all made even of the fine Yarn; then how much worſe muſt it be when one half of it is coarſe, which will cut and wear out in a little time the other half that is fine?

In the next Place, the Weaver muſt be careful to make a true ſquare Cloth, that is to ſay, the Threads muſt not look longer one way than the other; for when it is viſibly ſo, it is called a long-grained Cloth, and not fit for Sale: But that is eaſily prevented if he will do his Part, and follow the Directions given him in the Tables.

There are but two Ways for a Weaver to run into this Error: Firſt, by making his Warp too light, and thinking to mend it by driving in more Weſt than Warp. But in this he is miſtaken, for it will then look like Cats-teeth all a-croſs the Breadth of the Cloth.

Again, if he makes his Warp too heavy, or he be too lazy to drive in equal Weſt, then the Cats-teeth will be all along the Length of the Cloth.

In both Ways the Cloth is ſpoiled, and not worth half the Money it might be ſold for, was it truly wrought, becauſe the ſhort Thread will out-wear and cut the long; and therefore it will not laſt half the Time it would do, was it made a true ſquare Cloth.

The honeſt Weaver will find it his Intereſt to make his Cloth according to the foregoing Tables, becauſe it is in the Power of the moſt ignorant Buyer to know if his Cloth be truly wrought; which muſt needs be a great Satisfaction to both.

Now, in order to compaſs that End, and to make the following Tables uſeful to the Buyer of Linen, I humbly offered to the Honourable the *Houſe of Commons* a Clauſe to be inſerted in a Bill paſſed in the Year 1710, for the further Encouragement of the Linen Manufacture; by which every Weaver ſhould be obliged to run a coarſe coloured Thread through every forty Threads in the

Breadth of the Cloth, to mark the Beers or Scores, and another coarſe coloured Thread within leſs than half an Inch Diſtance through every two hundred Threads, to diſtinguiſh the Hundreds.

To make this eaſy to the Weaver, let all the Reeds he beſpeaks have every twentieth Sprit or Reed colour'd or dy'd black; and thoſe Reeds he has by him ready made, and fit for Uſe; let him token them into Beers with a Thread, (I now ſpeak to the Weaver in the Terms of his own Trade) ſo that when he comes to run the coarſe Threads, he has no more to do (when one Treddle is trod down) than to dip his Needle in at one black Sprit, and pull it out at the next, and ſo proceed through the Breadth of his Cloth, which will diſcover the Scores or Beers; and then weave about a quarter of an Inch, and run the other coarſe coloured Thread in at every fifth Beer, and out at the next fifth, and ſo proceed through the Breadth of his Cloth, which will ſhew the Hundreds. This is to be done within an Inch or two of the End of his Cloth, and all this will not take up a quarter of an Hour's time to the Weaver.

I muſt explain one Word to the Buyer, who is not verſed in the Terms of Weaving, that when we ſay a Cloth is wove in a Ten Hundred Reed, he muſt underſtand there are Twenty Hundred Threads in the Breadth of that Cloth; and the ſame of every other Number, each Reed containing two Threads.

For this Reaſon the coloured Threads, by me intended for Marks, being run between every two hundred Threads, and between every forty Threads in the Cloth, do determine the Number of Hundreds and Scores of the Reed; and from the Number of Hundreds in the Reed all Cloths are denominated, as the aforeſaid Cloth of Twenty Hundred Threads is called a Ten Hundred Cloth, and ſo of the reſt. All that the Buyer has to do, is to reckon the Number of Hundreds, and if he ſuſpects any Hundred wrong counted, to reckon the Number of Scores before that Hundred: Or if he ſhould ſtill ſuſpect any of the ſaid Scores ill counted, to reckon the ſingle Threads in that Score which appears to him to be viſibly the ſmalleſt (and this he may eaſily do in the fineſt Cloth) by which he will immediately detect the Fraud in the Weaver.

When he has taken the Number of Hundreds, and knows the Length and Wideneſs of the Cloth, he is to weigh the Piece; and then conſulting the ſecond Set of the Tables, Page 57, called *Tables to direct the Buyer*, he will find how much ſuch a Number of Hundreds, at ſuch a Breadth and Length, ought to weigh, if it be truly wrought to the Perfection of a Holland.

For Inſtance: You go to buy a Piece of common Shirting, ſuppoſe Twenty Yards long and Yard wide; you number the Hundreds marked at the End of the Piece, and find them to be Ten Hundred; you look into the Tables, and find that Number in the Top of the Page; at the laſt Line of that Cloth you will find twenty Yards will weigh nine Pound one Ounce.

This whole Proceeding will take but very few Minutes, or at moſt not a ſixth Part of the Time every one is willing to beſtow on the chuſing a right good Linen Cloth.

But ſuppoſe the Ten Hundred Cloth is but half Yard and half quarter wide, it will then weigh but three Pound, eight Ounces, and four Drams, becauſe it is made of a Sixteen Hundred Yarn, which is almoſt two Thirds lighter than a Ten Hundred Yarn; and that is the Reaſon the Difference at firſt Sight appears very diſproportionable.

Again, ſuppoſe the Ten Hundred Cloth is Yard and quarter wide, you will find that Cloth to weigh thirteen Pound, fifteen Ounces, and twelve Drams; which is much more than a fourth Part of a Ten Hundred Cloth at Yard wide: Yet the Reaſon is very plain, becauſe a Ten Hundred Cloth at Yard and quarter wide, is, and ought to be, made of an Eight Hundred Yarn; therefore the whole Breadth muſt be in Proportion to that, and not to a Ten Hundred Yarn, which is almoſt ſix Tenths lighter

For the better underſtanding what I have now advanced, you muſt remember, all Cloth is named from the

Reed it was wrought in, without having any Regard to the Breadth, as the aforeſaid Ten Hundred Cloth has that Name at the ſix ſeveral Breadths ; but all Yarn is named from the Reed it ought to be wrought in, at Yard wide ; therefore the Yarn of the Ten Hundred Cloth, at half Yard and half quarter wide, is called a Sixteen Hundred Yarn, and that at Yard and quarter wide an Eight Hundred Yarn.

The Explanation of the TABLES *to direct the Buyer of Linen Cloth.*

ON the Top of the Page you have the Name of the Cloth, from the Reed that Cloth was wrought in, at the ſix ſeveral Breadths, according to Act of Parliament, *viz.* from half Yard and half quarter wide, and ſo increaſing by half a quarter at a time, to Yard and quarter wide. The firſt Line after the Title of the ſeveral Breadths, is the Weight of One Yard of that Cloth; the ſecond is the Weight of Two Yards ; the third, the Weight of Three Yards; the fourth, the Weight of Four Yards ; the fifth, the Weight of Five Yards ; the ſixth, the Weight of Ten Yards, and the ſeventh, the Weight of Twenty Yards of that Cloth. As for Example : The aforeſaid Ten Hundred Cloth, Twenty Yards long, will weigh, at half Yard and half quarter, three Pound, eight Ounces, and four Drams : At three Quarters wide, four Pound, fourteen Ounces, and twelve Drams : At three Quarters and half wide, ſix Pound, ten Ounces, and four Drams : At Yard wide, nine Pound, one Ounce : At Yard and half quarter wide, eleven Pound, four Ounces : At Yard and quarter wide, thirteen Pound, fifteen Ounces, and twelve Drams.

A four hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.			Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.	Yard and quarter wide.
	lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*		
One Yard at	0	6	12	0	9	9	0	14	6	1	2	1		
Two Yards	0	13	8	1	3	2	1	12	12	2	4	2		
Three Yards	1	4	4	1	12	11	2	11	2	3	6	3		
Four Yards	1	11	0	2	6	4	3	9	8	4	8	4		
Five Yards	2	1	12	2	15	13	4	7	14	5	10	5		
Ten Yards	4	3	8	5	15	10	8	15	12	11	4	10		
Twenty Yards	8	7	0	11	15	4	17	15	8	22	9	4		

A four hundred and half Cloth, at the following Breadths and Lengths. will weigh

	Half yard & half quarter wide.			Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.
	lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	
One Yard at	0	6	2	0	8	11	0	13	1	1	0	4	1	4	4	
Two Yards	0	12	4	1	1	6	1	10	2	2	0	8	2	8	8	
Three Yards	1	2	6	1	10	1	2	7	3	3	0	12	3	12	12	
Four Yards	1	8	8	2	2	12	3	4	4	4	1	0	5	1	0	
Five Yards	1	14	10	2	11	7	4	1	5	5	1	4	6	5	4	
Ten Yards	3	13	4	5	6	14	8	2	10	10	2	8	12	10	8	
Twenty Yards	7	10	8	10	13	12	16	5	4	20	5	0	25	5	0	

A five hundred Cloth, at the following Lengths and Breadths, will weigh

	Half yard & half quarter wide.			Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide		
	lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at	0	5	9	0	8	0	0	11	15	0	14	6	1	2	14	1	6	11
Two Yards	0	11	2	1	0	0	1	7	14	1	12	12	2	5	12	2	13	6
Three Yards	1	0	11	1	8	0	2	3	13	2	11	2	3	8	10	4	4	1
Four Yards	1	6	4	2	0	0	2	15	12	3	9	8	4	11	8	5	10	12
Five Yards	1	11	13	2	8	0	3	11	11	4	7	14	5	14	6	7	1	7
Ten Yards	3	7	10	5	0	0	7	7	6	8	15	12	11	12	12	14	2	14
Twenty Yards	6	15	4	10	0	0	14	14	12	17	15	8	23	9	8	28	5	12

A five hundred and half Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.			Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
	lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at	0	5	0	0	7	6	0	11	0	0	13	4	1	0	10	1	4	9
Two Yards	0	10	0	0	14	12	1	6	0	1	10	8	2	1	4	2	9	2
Three Yards	0	15	0	1	6	2	2	1	0	2	7	12	3	1	14	3	13	11
Four Yards	1	4	0	1	13	8	2	12	0	3	5	0	4	2	8	5	2	4
Five Yards	1	9	0	2	4	14	3	7	0	4	2	4	5	3	2	6	6	13
Ten Yards	3	2	0	4	9	12	6	14	0	8	4	8	10	6	4	12	13	10
Twenty Yards	6	4	0	9	3	8	13	12	0	16	9	0	20	12	8	25	11	4

A ſix hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.			Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
	lb.	oz.	dr.	lb.	oz.	dr.	lb.	oz.	dr.	lb.	oz.	dr.	lb.	oz.	dr.	lb.	oz.	dr.
One Yard at	0	4	10	0	6	13	0	10	3	0	12	5	0	15	6	1	2	8
Two Yards	0	9	4	0	13	10	1	4	6	1	8	10	1	14	12	2	5	0
Three Yards	0	13	14	1	4	7	1	14	9	2	4	15	2	14	2	3	7	8
Four Yards	1	2	8	1	11	4	2	8	12	3	1	4	3	13	8	4	10	0
Five Yards	1	7	2	2	2	1	3	2	15	3	13	9	4	12	14	5	12	8
Ten Yards	2	14	4	4	4	2	6	5	14	7	11	2	9	9	12	11	9	0
Twenty Yards	5	12	8	8	8	4	12	11	12	15	6	4	19	3	8	23	2	0

A ſix hundred and half Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.			Three quarters wide.			Three quarters and half wide			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
	lb.	oz.	dr	lb.	oz.	dr	lb.	oz.	dr	lb.	oz.	dr.	lb.	oz.	dr.	lb	oz.	dr.
One Yard at	0	4	5	0	6	4	0	8	8	0	11	0	0	14	4	1	1	3
Two Yards	0	8	10	0	12	8	1	1	0	1	6	0	1	12	8	2	2	6
Three Yards	0	12	15	1	2	12	1	9	8	2	1	0	2	10	12	3	3	9
Four Yards	1	1	4	1	9	0	2	2	0	2	12	0	3	9	0	4	4	12
Five Yards	1	5	9	1	15	4	2	10	8	3	7	0	4	7	4	5	5	15
Ten Yards	2	11	2	3	14	8	5	5	0	6	14	0	8	14	8	10	11	14
Twenty Yards	5	6	4	7	13	0	10	10	0	13	12	0	17	13	0	21	7	12

A ſeven hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.			Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
	lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at	0	4	0	0	5	13	0	7	15	0	10	5	0	13	4	1	0	1
Two Yards	0	8	0	0	11	10	0	15	14	1	4	10	1	10	8	2	0	2
Three Yards	0	12	0	1	1	7	1	7	13	1	14	15	2	7	12	3	0	3
Four Yards	1	0	0	1	7	4	1	15	12	2	9	4	3	5	0	4	0	4
Five Yards	1	4	0	1	13	1	2	7	11	3	3	9	4	2	4	5	0	5
Ten Yards	2	8	0	3	10	2	4	15	6	6	7	2	8	4	8	10	0	10
Twenty Yards	5	0	0	7	4	4	9	14	12	12	14	4	16	9	0	20	1	4

A ſeven hundred and half Cloth, at the following Breadths and Lengths, will weigh

	Half yard& half quarter wide.			Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
	lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at	0	3	13	0	5	6	0	7	7	0	9	11	0	12	5	0	14	10
Two Yards	0	7	10	0	10	12	0	14	14	1	3	6	1	8	10	1	13	4
Three Yards	0	11	7	1	0	2	1	6	5	1	13	1	2	4	15	2	11	14
Four Yards	0	15	4	1	5	8	1	13	12	2	6	12	3	1	4	3	10	8
Five Yards	1	3	1	1	10	14	2	5	3	3	0	7	3	13	9	4	9	2
Ten Yards	2	6	2	3	5	12	4	10	6	6	0	14	7	11	2	9	2	4
Twenty Yards	4	12	4	6	11	8	9	4	12	12	1	12	15	6	4	18	4	8

An eight hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.			Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
	lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr*	*lb.*	*oz.*	*dr.*
One Yard at	0	3	9	0	5	0	0	6	14	0	8	15	0	11	7	0	13	11
Two Yards	0	7	2	0	10	0	0	13	12	1	1	14	1	6	14	1	11	6
Three Yards	0	10	11	0	15	0	1	4	10	1	10	13	2	2	5	2	9	1
Four Yards	0	14	4	1	4	0	1	11	8	2	3	12	2	13	12	3	6	12
Five Yards	1	1	13	1	9	0	2	2	6	2	12	11	3	9	3	4	4	7
Ten Yards	2	3	10	3	2	0	4	4	12	5	9	6	7	2	6	8	8	14
Twenty Yards	4	7	4	6	4	0	8	9	8	11	2	12	14	4	12	17	1	12

An eight hundred and half Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.			Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
	lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at	0	3	6	0	4	11	0	6	6	0	8	8	0	10	10	0	12	14
Two Yards	0	6	12	0	9	6	0	12	12	1	1	0	1	5	4	1	9	12
Three Yards	0	10	2	0	14	1	1	3	2	1	9	8	1	15	14	2	6	10
Four Yards	0	13	8	1	2	12	1	9	8	2	2	0	2	10	8	3	3	8
Five Yards	1	0	14	1	7	7	1	15	14	2	10	8	3	5	2	4	0	6
Ten Yards	2	1	12	2	14	14	3	15	12	5	5	0	6	10	4	8	0	12
Twenty Yards	4	3	8	5	13	12	7	15	8	10	10	0	13	4	8	16	1	8

A nine hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.			Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
	lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at	0	3	2	0	4	7	0	5	15	0	8	0	0	10	0	0	12	3
Two Yards	0	6	4	0	8	14	0	11	14	1	0	0	1	4	0	1	8	6
Three Yards	0	9	6	0	13	5	1	1	13	1	8	0	1	14	0	2	4	9
Four Yards	0	12	8	1	1	12	1	7	12	2	0	0	2	8	0	3	0	12
Five Yards	0	15	10	1	6	3	1	13	11	2	8	0	3	2	0	3	12	15
Ten Yards	1	15	4	2	12	6	3	11	6	5	0	0	6	4	0	7	9	14
Twenty Yards	3	14	8	5	8	12	7	6	12	10	0	0	12	8	0	15	3	12

A nine hundred and half Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.			Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
	lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr*	*lb.*	*oz.*	*dr.*
One Yard at	0	2	15	0	4	3	0	5	10	0	7	11	0	9	7	0	11	10
Two Yards	0	5	14	0	8	6	0	11	4	0	15	6	1	2	14	1	7	4
Three Yards	0	8	13	0	12	9	1	0	14	1	7	1	1	12	5	2	2	14
Four Yards	0	11	12	1	0	12	1	6	8	1	14	12	2	5	12	2	14	8
Five Yards	0	14	11	1	4	15	1	12	2	2	6	7	2	15	3	3	10	2
Ten Yards	1	13	6	2	9	14	3	8	4	4	12	14	5	14	6	7	4	4
Twenty Yards	3	10	12	5	3	12	7	0	8	9	9	12	11	12	12	14	8	8

A ten hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.			Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
	lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at	0	2	13	0	3	15	0	5	5	0	7	4	0	9	0	0	11	3
Two Yards	0	5	10	0	7	14	0	10	10	0	14	8	1	2	0	1	6	6
Three Yards	0	8	7	0	11	13	0	15	15	1	5	12	1	11	0	2	1	9
Four Yards	0	11	4	0	15	12	1	5	4	1	13	0	2	4	0	2	12	12
Five Yards	0	14	1	1	3	11	1	10	9	2	4	4	2	13	0	3	7	15
Ten Yards	1	12	2	2	7	6	3	5	2	4	8	8	5	10	0	6	15	14
Twenty Yards	3	8	4	4	14	12	6	10	4	9	1	0	11	4	0	13	15	12

A ten hundred and half Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.			Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
	lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at	0	2	11	0	3	12	0	5	1	0	6	15	0	8	9	0	10	13
Two Yards	0	5	6	0	7	8	0	10	2	0	13	14	1	1	2	1	5	10
Three Yards	0	8	1	0	11	4	0	15	3	1	4	13	1	9	11	2	0	7
Four Yards	0	10	12	0	15	0	1	4	4	1	11	12	2	2	4	2	11	4
Five Yards	0	13	7	1	2	12	1	9	5	2	2	11	2	10	13	3	6	1
Ten Yards	1	10	14	2	5	8	3	2	10	4	5	6	5	5	10	6	12	2
Twenty Yards	3	5	12	4	11	0	6	5	4	8	10	12	10	11	4	13	8	4

An eleven hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.			Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
	lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at	0	2	9	0	3	10	0	4	13	0	6	10	0	8	3	0	10	6
Two Yards	0	5	2	0	7	4	0	9	10	0	13	4	1	0	6	1	4	12
Three Yards	0	7	11	0	10	14	0	14	7	1	3	14	1	8	9	1	15	2
Four Yards	0	10	4	0	14	8	1	3	4	1	10	8	2	0	12	2	9	8
Five Yards	0	12	13	1	2	2	1	8	1	2	1	2	2	8	15	3	3	14
Ten Yards	1	9	10	2	4	4	3	0	2	4	2	4	5	1	14	6	7	12
Twenty Yards	3	3	4	4	8	8	6	0	4	8	4	8	10	3	12	12	15	8

An eleven hundred and half Cloth, at the following Lengths and Breadths, will weigh

	Half yard & half quarter wide.			Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
	lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr*
One Yard at	0	2	7	0	3	8	0	4	9	0	6	5	0	7	13	0	9	15
Two Yards	0	4	14	0	7	0	0	9	2	0	12	10	0	15	10	1	3	14
Three Yards	0	7	5	0	10	8	0	13	11	1	2	15	1	7	7	1	13	13
Four Yards	0	9	12	0	14	0	1	2	4	1	9	4	1	15	4	2	7	12
Five Yards	0	12	3	1	1	8	1	6	13	1	15	9	2	7	1	3	1	11
Ten Yards	1	8	6	2	3	0	2	13	10	3	15	2	4	14	2	6	3	6
Twenty Yards	3	0	12	4	6	0	5	11	4	7	14	4	9	12	4	12	6	12

A twelve hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.			Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
	lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at	0	2	5	0	3	6	0	4	6	0	6	1	0	7	7	0	8	9
Two Yards	0	4	10	0	6	12	0	8	12	0	12	2	0	14	14	1	1	2
Three Yards	0	6	15	0	10	2	0	13	2	1	2	3	1	6	5	1	9	11
Four Yards	0	9	4	0	13	8	1	1	8	1	8	4	1	13	12	2	2	4
Five Yards	0	11	9	1	0	14	1	5	14	1	14	5	2	5	3	2	10	13
Ten Yards	1	7	2	2	1	12	2	11	12	3	12	10	4	10	6	5	5	10
Twenty Yards	2	14	4	4	3	8	5	7	8	7	9	4	9	4	12	10	11	4

A twelve hundred and half Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.			Three quarters wide.			Three quarters and half wide			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
	lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at	0	2	3	0	3	3	0	4	4	0	5	13	0	7	1	0	8	4
Two Yards	0	4	6	0	6	6	0	8	8	0	11	10	0	14	2	1	0	8
Three Yards	0	6	9	0	9	9	0	12	12	1	1	7	1	5	3	1	8	12
Four Yards	0	8	12	0	12	12	1	1	0	1	7	4	1	12	4	2	1	0
Five Yards	0	10	15	0	15	15	1	5	4	1	13	1	2	3	5	2	9	4
Ten Yards	1	5	14	1	15	14	2	10	8	3	10	2	4	6	10	5	2	8
Twenty Yards	2	11	12	3	15	12	5	5	0	7	4	4	8	13	4	10	5	0

A thirteen hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.			Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
	lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at	0	2	2	0	3	1	0	4	3	0	5	10	0	6	12	0	7	15
Two Yards	0	4	4	0	6	2	0	8	6	0	11	4	0	13	8	0	15	14
Three Yards	0	6	6	0	9	3	0	12	9	1	0	14	1	4	4	1	7	13
Four Yards	0	8	8	0	12	4	1	0	12	1	6	8	1	11	0	1	15	12
Five Yards	0	10	10	0	15	5	1	4	15	1	12	2	2	1	12	2	7	11
Ten Yards	1	5	4	1	14	10	2	9	14	3	8	4	4	3	8	4	15	6
Twenty Yards	2	10	8	3	13	4	5	3	12	7	0	8	8	7	0	9	14	12

A thirteen hundred and half Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.			Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
	lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at	0	2	1	0	2	15	0	4	1	0	5	7	0	6	8	0	7	10
Two Yards	0	4	2	0	5	14	0	8	2	0	10	14	0	13	0	0	15	4
Three Yards	0	6	3	0	8	13	0	12	3	1	0	5	1	3	8	1	6	14
Four Yards	0	8	4	0	11	12	1	0	4	1	5	12	1	10	0	1	14	8
Five Yards	0	10	5	0	14	11	1	4	5	1	11	3	2	0	8	2	6	2
Ten Yards	1	4	10	1	13	6	2	8	10	3	6	6	4	1	0	4	12	4
Twenty Yards	2	9	4	3	10	12	5	1	4	6	12	12	8	2	0	9	8	8

A fourteen hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.			Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
	lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at	0	2	0	0	2	13	0	3	15	0	5	4	0	6	4	0	7	6
Two Yards	0	4	0	0	5	10	0	7	14	0	10	8	0	12	8	0	14	12
Three Yards	0	6	0	0	8	7	0	11	13	0	15	12	1	2	12	1	6	2
Four Yards	0	8	0	0	11	4	0	15	12	1	5	0	1	9	0	1	13	8
Five Yards	0	10	0	0	14	1	1	3	11	1	10	4	1	15	4	2	4	14
Ten Yards	1	4	0	1	12	2	2	7	6	3	4	8	3	14	8	4	9	12
Twenty Yards	2	8	0	3	8	4	4	14	12	6	9	0	7	13	0	9	3	8

A fourteen hundred and half Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.			Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
	lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb*	*oz.*	*dr.*
One Yard at	0	1	15	0	2	11	0	3	13	0	5	0	0	6	0	0	7	2
Two Yards	0	3	14	0	5	6	0	7	10	0	10	0	0	12	0	0	14	4
Three Yards	0	5	13	0	8	1	0	11	7	0	15	0	1	2	0	1	5	6
Four Yards	0	7	12	0	10	12	0	15	4	1	4	0	1	8	0	1	12	8
Five Yards	0	9	11	0	13	7	1	3	1	1	9	0	1	14	0	2	3	10
Ten Yards	1	3	6	1	10	14	2	6	2	3	2	0	3	12	0	4	7	4
Twenty Yards	2	6	12	3	5	12	4	12	4	6	4	0	7	8	0	8	14	8

A fifteen hundred Cloth, at the following Breadths and Lengths, will weigh

	Halfyard & half quarter wide.			Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
	lb.	oz.	dr.	lb.	oz.	dr.	lb.	oz.	dr.	lb.	oz.	dr.	lb.	oz.	dr.	lb.	oz.	dr.
One Yard at	0	1	14	0	2	9	0	3	11	0	4	14	0	5	12	0	6	14
Two Yards	0	3	12	0	5	2	0	7	6	0	9	12	0	11	8	0	13	12
Three Yards	0	5	10	0	7	11	0	11	1	0	14	10	1	1	4	1	4	10
Four Yards	0	7	8	0	10	4	0	14	12	1	3	8	1	7	0	1	11	8
Five Yards	0	9	6	0	12	13	1	2	7	1	8	6	1	12	12	2	2	6
Ten Yards	1	2	12	1	9	10	2	4	14	3	0	12	3	9	8	4	4	12
Twenty Yards	2	5	8	3	3	4	4	9	12	6	1	8	7	3	0	8	9	8

A fifteen hundred and half Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.	Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
		lb.	oz.	dr.	lb.	oz.	dr.	lb.	oz.	dr.	lb.	oz.	dr.	lb.	oz.	dr.
One Yard at		0	2	8	0	3	9	0	4	11	0	5	9	0	6	10
Two Yards		0	5	0	0	7	2	0	9	6	0	11	2	0	13	4
Three Yards		0	7	8	0	10	11	0	14	1	1	0	11	1	3	14
Four Yards		0	10	0	0	14	4	1	2	12	1	6	4	1	10	8
Five Yards		0	12	8	1	1	13	1	7	7	1	11	13	2	1	2
Ten Yards		1	9	0	2	3	10	2	14	14	3	7	10	4	2	4
Twenty Yards		3	2	0	4	7	4	5	13	12	6	15	4	8	4	8

A ſixteen hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.	Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
		lb.	oz.	dr.	lb.	oz.	dr.	lb.	oz.	dr.	lb.	oz.	dr.	lb.	oz.	dr.
One Yard at		0	2	7	0	3	7	0	4	9	0	5	7	0	6	7
Two Yards		0	4	14	0	6	14	0	9	2	0	10	14	0	12	14
Three Yards		0	7	5	0	10	5	0	13	11	1	0	5	1	3	5
Four Yards		0	9	12	0	13	12	1	2	4	1	5	12	1	9	12
Five Yards		0	12	3	1	1	3	1	6	13	1	11	3	2	0	3
Ten Yards		1	8	6	2	2	6	2	13	10	3	6	6	4	0	6
Twenty Yards		3	0	12	4	4	12	5	11	4	6	12	12	8	0	12

A ſixteen hundred and half Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.	Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
		lb.	oz.	dr.	lb.	oz.	dr.	lb.	oz.	dr.	lb.	oz.	dr.	lb.	oz.	dr.
One Yard at		0	2	6	0	3	5	0	4	7	0	5	5	0	6	4
Two Yards		0	4	12	0	6	10	0	8	14	0	10	10	0	12	8
Three Yards		0	7	2	0	9	15	0	13	5	0	15	15	1	2	12
Four Yards		0	9	8	0	13	4	1	1	12	1	5	4	1	9	0
Five Yards		0	11	14	1	0	9	1	6	3	1	10	9	1	15	4
Ten Yards		1	7	12	2	1	2	2	12	6	3	5	2	3	14	8
Twenty Yards		2	15	8	4	2	4	5	8	12	6	10	4	7	13	0

A ſeventeen hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.	Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
		lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at		0	2	5	0	3	4	0	4	4	0	5	4	0	6	2
Two Yards		0	4	10	0	6	8	0	8	8	0	10	8	0	12	4
Three Yards		0	6	15	0	9	12	0	12	12	0	15	12	1	2	6
Four Yards		0	9	4	0	13	0	1	1	0	1	5	0	1	8	8
Five Yards		0	11	9	1	0	4	1	5	4	1	10	4	1	14	10
Ten Yards		1	7	2	2	0	8	2	10	8	3	4	8	3	13	4
Twenty Yards		2	14	4	4	1	0	5	5	0	6	9	0	7	10	8

An eighteen hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.	Three quarters wide.			Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
		lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at		0	2	4	0	3	3	0	4	1	0	5	2	0	6	0
Two Yards		0	4	8	0	6	6	0	8	2	0	10	4	0	12	0
Three Yards		0	6	12	0	9	9	0	12	3	0	15	6	1	2	0
Four Yards		0	9	0	0	12	12	1	0	4	1	4	8	1	8	0
Five Yards		0	11	4	0	15	15	1	4	5	1	9	10	1	14	0
Ten Yards		1	6	8	1	15	14	2	8	10	3	3	4	3	12	0
Twenty Yards		2	13	0	3	15	12	5	1	4	6	6	8	7	8	0

A nineteen hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.	Three quarters wide.	Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
			lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at			0	3	2	0	3	13	0	4	15	0	5	14
Two Yards			0	6	4	0	7	10	0	9	14	0	11	12
Three Yards			0	9	6	0	11	7	0	14	13	1	1	10
Four Yards			0	12	8	0	15	4	1	3	12	1	7	8
Five Yards			0	15	10	1	3	1	1	8	11	1	13	6
Ten Yards			1	15	4	2	6	2	3	1	6	3	10	12
Twenty Yards			3	14	8	4	12	4	6	2	12	7	5	8

A twenty hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.	Three quarters wide.	Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
			lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr*
One Yard at			0	3	1	0	3	10	0	4	11	0	5	11
Two Yards			0	6	2	0	7	4	0	9	6	0	11	6
Three Yards			0	9	3	0	10	14	0	14	1	1	1	1
Four Yards			0	12	4	0	14	8	1	2	12	1	6	12
Five Yards			0	15	5	1	2	2	1	7	7	1	12	7
Ten Yards			1	14	10	2	4	4	2	14	14	3	8	14
Twenty Yards			3	13	4	4	8	8	5	13	12	7	1	12

A twenty one hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.	Three quarters wide.	Three quarters and half wide.			Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
			lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at			0	3	0	0	3	7	0	4	8	0	5	8
Two Yards			0	6	0	0	6	14	0	9	0	0	11	0
Three Yards			0	9	0	0	10	5	0	13	8	1	0	8
Four Yards			0	12	0	0	13	12	1	2	0	1	6	0
Five Yards			0	15	0	1	1	3	1	6	8	1	11	8
Ten Yards			1	14	0	2	2	6	2	13	0	3	7	0
Twenty Yards			3	12	0	4	4	12	5	10	0	6	14	0

A twenty two hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.	Three quarters wide.	Three quarters and half wide.	Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
				lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at				0	3	5	0	4	5	0	5	3
Two Yards				0	6	10	0	8	10	0	10	6
Three Yards				0	9	15	0	12	15	0	15	9
Four Yards				0	13	4	1	1	4	1	4	12
Five Yards				1	0	9	1	5	9	1	9	15
Ten Yards				2	1	2	2	11	2	3	3	14
Twenty Yards				4	2	4	5	6	4	6	7	12

A twenty three Hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.	Three quarters wide.	Three quarters and half wide.	Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
				lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at				0	3	3	0	4	2	0	4	15
Two Yards				0	6	6	0	8	4	0	9	14
Three Yards				0	9	9	0	12	6	0	14	13
Four Yards				0	12	12	1	0	8	1	3	12
Five Yards				0	15	15	1	4	10	1	8	11
Ten Yards				1	15	14	2	9	4	3	1	6
Twenty Yards				3	15	12	5	2	8	6	2	12

A twenty four Hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.	Three quarters wide.	Three quarters and half wide.	Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
				lb.	*oz.*	*dr*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr*
One Yard at				0	3	0	0	3	15	0	4	12
Two Yards				0	6	0	0	7	14	0	9	8
Three Yards				0	9	0	0	11	13	0	14	4
Four Yards				0	12	0	0	15	12	1	3	0
Five Yards				0	15	0	1	3	11	1	7	12
Ten Yards				1	14	0	2	7	6	2	15	8
Twenty Yards				3	12	0	4	14	12	5	15	0

A twenty five Hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.	Three quarters wide.	Three quarters and half wide.	Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
				lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at				0	2	15	0	3	12	0	4	9
Two Yards				0	5	14	0	7	8	0	9	2
Three Yards				0	8	13	0	11	4	0	13	11
Four Yards				0	11	12	0	15	0	1	2	4
Five Yards				0	14	11	1	2	12	1	6	13
Ten Yards				1	13	6	2	5	8	2	13	10
Twenty Yards				3	10	12	4	11	0	5	11	4

A twenty six Hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.	Three quarters wide.	Three quarters and half wide.	Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
				lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at				0	2	13	0	3	9	0	4	6
Two Yards				0	5	10	0	7	2	0	8	12
Three Yards				0	8	7	0	10	11	0	13	2
Four Yards				0	11	4	0	14	4	1	1	8
Five Yards				0	14	1	1	1	13	1	5	14
Ten Yards				1	12	2	2	3	10	2	11	12
Twenty Yards				3	8	4	4	7	4	5	7	8

A twenty ſeven Hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.	Three quarters wide.	Three quarters and half wide.	Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
				lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at				0	2	11	0	3	6	0	4	3
Two Yards				0	5	6	0	6	12	0	8	6
Three Yards				0	8	1	0	10	2	0	12	9
Four Yards				0	10	12	0	13	8	1	0	12
Five Yards				0	13	7	1	0	14	1	4	15
Ten Yards				1	10	14	2	1	12	2	9	14
Twenty Yards				3	5	12	4	3	8	5	3	12

A twenty eight Hundred Cloth, at the following Breadths and Lengths, will weigh

	Half yard & half quarter wide.	Three quarters wide.	Three quarters and half wide.	Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
				lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at				0	2	9	0	3	4	0	4	0
Two Yards				0	5	2	0	6	8	0	8	0
Three Yards				0	7	11	0	9	12	0	12	0
Four Yards				0	10	4	0	13	0	1	0	0
Five Yards				0	12	13	1	0	4	1	4	0
Ten Yards				1	9	10	2	0	8	2	8	0
Twenty Yards				3	3	4	4	1	0	5	0	0

A twenty nine Hundred Cloth, at the following Breadths and Lengths, will weigh

	Halfyard & half quarter wide.	Three quarters wide.	Three quarters and half wide.	Yard wide.			Yard and half quarter wide.			Yard and quarter wide.		
				lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at				0	2	8	0	3	2	0	3	14
Two Yards				0	5	0	0	6	4	0	7	12
Three Yards				0	7	8	0	9	6	0	11	10
Four Yards				0	10	0	0	12	8	0	15	8
Five Yards				0	12	8	0	15	10	1	3	6
Ten Yards				1	9	0	1	15	4	2	6	12
Twenty Yards				3	2	0	3	14	8	4	13	8

A thirty Hundred Cloth, at the following Breadths and Lengths, will weigh

	Halfyard & half quarter wide.	Three quarters wide.	Three quarters and half wide.	Yard wide.			Yard and half quarter wide			Yard and quarter wide.		
				lb.	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*	*lb.*	*oz.*	*dr.*
One Yard at				0	2	7	0	3	0	0	3	12
Two Yards				0	4	14	0	6	0	0	7	8
Three Yards				0	7	5	0	9	0	0	11	4
Four Yards				0	9	12	0	12	0	0	15	0
Five Yards				0	12	3	0	15	0	1	2	12
Ten Yards				1	8	6	1	14	0	2	5	8
Twenty Yards				3	0	12	3	12	0	4	11	0

POSTSCRIPT.

JUST as this laſt Sheet was ready for the Preſs, ſome able Traders, and Weavers well ſkilled in ſeveral other Manufactures, having heard of what I had done before he Truſtees, deſired to talk to me on that Part of Weaving, of adjuſting the Reed to the Warp; which they lid with ſo much Honeſty, Freedom, and Candour, that I am in ſome Hopes of having been ſerviceable to my Country.

I am not a little pleaſed I can affirm that all thoſe I ave converſed with, who are moſt experienced in the veaving the ſeveral Manufactures of this Kingdom, have oneſtly and ingenuouſly confeſſed, that the beſt Workman may be ſometimes miſtaken in adjuſting the Reed to he Warp, either in over-ſleaing it, when he has a mind to nake a right good Piece; or in under-ſleaing it, and ſing leſs Stuff than he deſigned, when he has a mind to e (what they call) thrifty.

I have not Room to ſay any more on this Occaſion, ut that the Silken, Silk and Worſted, and Worſted Maufactures may be brought to the greateſt Certainty imaginable, becauſe before thoſe Materials can be wrought p, they muſt be ſent to the Throwſters, who cannot fail f reeling them to an exact Standard and true Count; nor an they well wind them up otherwiſe, becauſe the Moion of the Blades of their Mills are ſlow, and governed y exact Calculations, after the manner of Clock-work.

FINIS.

APPENDIX.

The Linen Weaver's SLEAING TABLE, with Eſtimates of Flax, Yarn, Weaving, and Linen Cloth.

H for Hanks, C for Cuts, h for half, qs for quarters.

In a Pound of whiten Yarn.		Hdds. in the Reed.	Hanks in the Score		Hanks in the Yard.			Threads in one Inch.	Value of Flax.			Value of Hanks.			Value of Yarn to a Score.				Weaving per Yard.			Rates of Linen Cloth.		
H.	C.		H.	C.	H.	C.	qs.		s.	d.	q.	s.	d.	q.	l.	s.	d.	q.	s.	d.	q.	l.	s.	d.
0	8	6	15	0	0	9	1	33							0	6	3	0	0	1	2	0	11	0
0	9	6h	16	3	0	9	3	36	0	2	0	0	5	0	0	6	9	1						
0	11	7	17	6	0	10	2	38							0	7	3	2						
1	0	7h	18	9	0	11	1	41							0	7	9	3						
1	2	8	20	0	1	0	0	44							0	8	4	0	0	2	0	0	17	0
1	4	8h	21	3	1	0	3	47	0	3	0	0	5	2	0	9	8	3						
1	6	9	22	6	1	1	2	50							0	10	3	3						
1	8	9h	23	9	1	2	1	52							0	10	10	2						
1	10	10	25	0	1	3	0	55							0	11	5	2	0	2	2	1	0	0
2	0	10h	26	3	1	3	3	58							0	12	0	1						
2	3	11	27	6	1	4	2	61	0	4	0	0	6	0	0	13	9	0	0	3	1	1	2	6
2	6	11h	28	9	1	5	1	63							0	14	4	2						
2	8	12	30	0	1	6	0	66							0	15	0	0	0	4	0	1	5	0
2	11	12h	31	3	1	6	3	69							0	15	7	2						
3	2	13	32	6	1	7	2	72							0	16	3	0	0	5	0	1	8	4
3	5	13h	33	9	1	8	1	75	0	6	2	0	6	2	0	18	3	1						
3	8	14	35	0	1	9	0	77							0	18	11	2	0	6	0	1	13	4
3	11	14h	36	3	1	9	3	80							0	19	7	2						

APPENDIX Continued.

In a Pound of whiten Yarn.		Hdds. in the Reed.	Hanks in the Score.		Hanks in the Yard.			Threads in one Inch.	Value of Flax.			Value of Hanks.			Value of Yarn to a Score.				Weaving per Yard.			Rates of Linen. Cloth.		
H.	C.		H.	C.	H.	C.	qs.		s.	d.	q.	s.	d.	q	l.	s.	d.	q.	s.	d.	q.	l.	s.	d.
4	2	15	37	6	1	10	2	83	0	10	0	0	7	0	1	1	10	2	0	7	0	2	0	0
4	5	15h	38	9	1	11	1	86							1	2	7	2						
4	9	16	40	0	2	0	0	88							1	3	4	0	0	8	0	2	8	0
5	1	16h	41	3	2	0	3	90	1	3	0	0	7	2	1	5	9	1						
5	5	17	42	6	2	1	2	94							1	6	6	3	0	9	2	2	16	0
5	9	17h	43	9	2	2	1	97				0	8	2	1	10	11	3						
6	1	18	45	0	2	3	0	100							1	11	10	2	0	11	0	3	5	0
6	9	19	47	6	2	4	2	105	1	6	0	0	10	0	1	19	7	0	1	1	0	3	15	0
7	5	20	50	0	2	6	0	111							2	1	8	0	1	3	0	4	5	0
8	2	21	52	6	2	7	2	117				0	11	2	2	10	3	3	1	5	2	4	15	0
9	0	22	55	0	2	9	0	122	2	0	0				2	12	8	2	1	8	0	5	5	0
9	10	23	57	6	2	10	2	127				1	0	0	2	17	6	0	1	10	0	5	15	0
10	9	24	60	0	3	0	0	133							3	0	0	0	2	0	0	6	10	0
11	9	25	62	6	3	1	2	138	2	2	0	1	1	0	3	7	8	2	2	2	0	6	17	0
12	10	26	65	0	3	3	0	144							3	10	5	0	2	4	0	7	5	0
13	11	27	67	6	3	4	2	150				1	2	2	4	1	6	3	2	6	0	7	18	0
15	0	28	70	0	3	6	0	155	2	6	0	1	4	0	4	13	4	0	2	8	0	8	13	0
16	2	29	72	6	3	7	2	161							4	16	8	0	2	10	0	9	4	0
17	4	30	75	0	3	9	0	167	2	8	2	1	6	0	5	12	6	0	3	0	0	10	0	0

END of the APPENDIX.

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